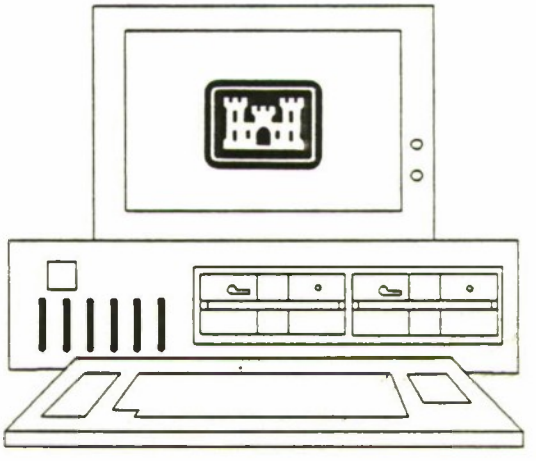
US Army Corps
of Engineers
Engineer Institute for
Water Resources

Microcomputer Applications in Planning



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Catalog

September 1987

IWR Report
87-R-9

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INTRODUCTION

Microcomputer Applications in Planning Catalog

Introduction

In 1985, the US Army Corps of Engineers Engineer Institute for Water Resources (IWR) performed a study entitled "Needs Assessment of Corps Planning Information Management Systems". This study was directed at exploring the methods by which "planning managers" within the Corps used microcomputers for management of planning studies. The study findings were documented in IWR Contract Report No. 85-C-5 (August 1985). The study showed the significantly increased use of microcomputers in the Corps for 'local' information systems, but also pointed out problems in terms of needs for training, lack of information transfer within the Corps on such systems, duplication of effort on similar projects within Corps planning offices, and lack of documentation and use of good design practice in the development of such systems. As an outgrowth and 'follow-on' to the previous study, the current study, "A Process for Managing Corps Planning Information" was carried out by IWR in 1986-1987. This study was directed towards enhancing information transfer within the Corps, through development of an 'applications catalog' of Corps- developed planning management microcomputer applications, and towards improving the management of microcomputer resources, in particular in terms of developing and maintaining microcomputer applications. This catalog of Microcomputer Applications in Planning is one of the products of the study. An additional product, a report entitled 'Managing Microcomputer Applications: A Primer and Guide to Good Practice', is also available.

Development of the Catalog

On March 30, 1987, a request was sent to Chiefs of Planning throughout the Corps for information on microcomputer applications developed within their offices. At the same time, a bulletin was posted on the Planners Bulletin Board System microcomputer maintained by IWR, and individual requests were made to persons known to have developed planning applications on microcomputers within the Corps. Each individual so solicited was requested to fill out a two-page form describing an application, and to provide examples if available. The response was extremely satisfying, indicating the willingness of Corps planners to participate in this effort, and their recognition of the value of such a catalog.

Each applications form was transcribed into a data base [Nutshell (tm)], and revised and edited to conform to a single-page description of each application. The information in the data base was then used as the source of text information for the Catalog. This report was prepared using the Xerox Ventura Publisher (tm) desktop publishing program, and printed using an HP LaserJet 500 Plus printer.

Organization of the Catalog

The Catalog contains single-page application data sheets, developed from the questionnaire data provided to IWR. The content of each application data sheet is described later in this section. Each application was given a unique identifying number. An index, using the identifying number, is provided by application title, and by office symbol and point of contact. Application data sheets follow, in numerical order. In certain cases, supplementary information was made available with each application, such as sample outputs, additional descriptions, or documentation. The presence of such information is flagged on the application data sheet ('EXAMPLE' is noted), and the supplementary information appears, indexed by application number, in the Supplementary Information section of the Catalog

A blank form for adding additional applications is contained in Appendix A of the catalog. If you wish to provide information for the next edition of this catalog, please complete this form and forward to: Michael R. Walsh, CEWRC-IWR, Casey Building, Fort Belvoir, VA 22060.

Appendix B contains a description of the Corps Planners Bulletin Board System (CPRBBS). The CPRBBS is an excellent vehicle for rapidly distributing information and applications. Computer files can be placed on the Bulletin Board, and transmitted over phone lines to other computers. Placing an application on the CPRBBS is a simple method of distribution, that will minimize the time demands on individuals listed as points of contact for an application, if the application is of interest to another office. The applications catalog data sheets contain a data item indicating whether or not a given application is present on the CPRBBS. (If the data sheet item is blank, then the application is not on the CPRBBS. If the item is non-blank, then the item value is the file name that should be downloaded from the CPRBBS to obtain the application.) Please refer to the description in Appendix B of the Catalog for information as to how to either load an application onto the CPRBBS, or to obtain an application from the CPRBBS.

Content of the Application Data Sheet

Each application has been given a unique 5 digit identifying number. Each application data sheet contains the following data items:

ITEM	DESCRIPTION
application title	short title/description of application
application type	code indicating general usage: • 'A' if primarily used administratively (i.e. management of planning projects or planning work) • 'T' if primarily used for technical purposes (i.e. technical 'doing' of planning)
application number	a sequential, unique identifying number for each applicaton, used for indexing
description	a brief description of the application
point of contact	name of individual familiar with application
office symbol	originating Corps office
phone numbers	commercial/fts numbers for point of contact
computer	type of computer (where 'IBM' is used, it refers to an IBM or 'clone')
software type	general type of applications software used: • SS - spreadsheet • DBMS - data base • MODEL - computer model
application area	general arena of application, e.g. plan formulation, management, economics, etc.
revision date	date of last update to the application data sheet in the Catalog
software	commercial software used (e.g. Lotus, dBase)
operating system	required operating system
display	type of display needed/used (BW = monochrome)
memory	minimum required memory for application
hard disk needs	indication of whether hard disk is recommended or required for application
printer needs	special printer requirements, or printer used
special hardware	any special hardware requirements (e.g. plotter)

examples	indication of whether or not examples or additional information are present in the Catalog supplementary information section. If present, the information is indexed by application number.
documentation type	type of documentation available for application
cprbbs file	Planners Bulletin Board file name, if application is present on CPRBBS
summary	summary description of application
input	required inputs
outputs	typical outputs
usage	how system is used in planning
comments	any comments or additional information

Acknowledgements

The Catalog exists due to the needs expressed by Corps planners for such a source of information, and because of the contributions of those who have developed applications and described them for this Catalog, and their efforts are gratefully acknowledged.

This catalog development was coordinated by Mr. Michael Walsh of IWR, assisted by Dr. Richard M. Males, RMM Technical Services, Inc., Cincinnati, Ohio, serving as sub-contractor to Planning & Management Consultants, Carbondale, Illinois.

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Budget Update Spreadsheet	A	00048
Chesapeake and Delaware Canal Data Consolidation	A	00041
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Water Supply Planning Model	T	00010

INDEX BY OFFICE SYMBOL

Symbol	Point of Contact		Number	Title
CELMK-PD-E	Dean	Jerry W.	00039	Computerized Agricultural Crop Flood Damage Assessment Syste
CELMK-PD-FO	Mazzanti	Mark	00066	Form 26 - Spreadsheet (Supercalc)
CELMK-PD-Q	Birchett	Tom	00065	DBASE III for Cultural Resources
CELMK-PD-Q	Cannon	Marvin	00064	SC3
CELMK-PD-W	Hall	Bobbie J.	00063	???????
CELMM-PD-F	Dycus	Billy R.	00054	Telephone or Verbal Conversation Record - Key Procedures
CELMM-PD-F	Dycus	Billy R.	00055	Levee Calc
CELMM-PD-F	Sutterfield	Steve	00052	Obligations Expenditures
CELMM-PD-F	Sutterfield	Steve	00053	PB-6 Study Cost Estimate
CELMM-PD-P	Grimes	Ron	00042	Data Base Management - Cost Shared Studies
CELMN-ED-SE	Jolissaint	Robert E.	00074	Correspondence Management System
CELMN-PD-E	Byrd	Michael T.	00002	FLOOD2 program
CELMS-PD-U	Astrack	Richard	00043	PB-6 Study Cost Estimate
CELMS-PD-U	Astrack	Richard	00067	Form 26
CEMDR-PD-E	Deane	Walter	00060	Emergency Water Planning State Water Use Inventory
CEMRD-PD-E	Gjesdahl.	David	00061	Economic Fact Sheet (Summary of Economic Data)
CEMRD-PD-E	Gjesdahl.	David	00062	Corps of Engineers Project Cost Estimate (PB-3)
CEMRK-PD-P	Tester	Nanci	00056	FPMS applications [KCDTRIX]
CEMRO-PD-A	Behm	Randall	00011	Emergency Water Planning Database (EWP)
CEMRO-PD-A	Johnson	Alan	00010	Water Supply Planning Model
CENAD-PL-F	Dunnigan	Ms. Diane R.	00003	NADPL Factsheet Program
CENAD-PL-F	Dunnigan	Ms. Diane R.	00004	NADPL SMALPROJ Program
CENAD-PL-F	Dunnigan	Ms. Diane R.	00005	NADPL NEPA Program
CENAD-PL-F	Dunnigan	Ms. Diane R.	00006	NADPL Lobby Program
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CENAO-PL-E	Creighton	Jim	00037	Average Annual Damage Computation
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CENAO-PL-H	Reece, Jr.	R. Owen	00035	Total Probability
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CENCR-PD	Goetzmann	Marian	00015	Reports.dbf, Reports.frm
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CENCR-PD	Melton	Judy	00019	Program Evaluation (Progrev.bas)
CENCR-PD	Melton	Judy	00020	Sick Leave Usage
CENCR-PD	Melton	Judy	00029	Awards Program
CENCR-PD-C	Carr	Jack	00028	Failure/Monte Carlo Model
CENCR-PD-E	Carmack	Charlene	00024	Environmental Analysis Schedule
CENCR-PD-F	Bales	Thomas S.	00023	Continuing Authorities Program Data Base (Basic)
CENCR-PD-P	Busch	Lere	00025	Levee Quantities

Symbol	Point of Contact		Number	Title
CENCR-PD-P	Busch	Lere	00026	I-WALL AND T-WALL QUANTITIES
CENCR-PD-P	Busch	Lere	00027	Non-Structural Analysis
CENCR-PD-R	Niles	Darron	00022	POOLINFO
CENCS-PD-ES	Carison	Bruce	00049	DDS Data Preparation Program
CENCS-PD-ES	McGrath	Jeff	00048	Budget Update Spreadsheet
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CENED-PL-I	Parfenuk	Betty	00071	Lotus Tracking Worksheets
CENED-PL-PF	Ethier	Michael	00072	Non-Structural Analysis
CENED-PL-PF	Ethier	Michael	00073	Economics Magic
CENED-PL-PF	Ethier	Michael	00075	Section 14 Alternatives
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CENPD-PL-EC	White	Tom	00038	Power System Analysis Worksheet
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CENPW-PL-PF	Newcomb	Craig	00057	Flood Damage Reduction Benefits
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CESWT-PL-E	Sherwood	Jim	00045	Marina Proforma Analysis
CESWT-PL-E	Sherwood	Jim	00046	Average Annual Equivalent
CEWRC-IWR	Walsh	Michael R.	00001	Corps of Engineer Hydropower Data Base (CEHYDRO)

APPLICATIONS DATA SHEETS

Corps of Engineer Hydropower Data Base (CEHYDRO)	A 00001

To keep track of the status of Corps and non-Federal hydroelectric power facilities at Corps dams. The menu-driven program also tracks non-Federal license activity at Corps dams.

Point of Contact

Michael R.	Walsh	CEWRC-IWR	202-355-3087	385-3087 fts

Computer Requirements

IBM 256K BW/COLOR

IBM PC-DOS 2.X or higher HARD DISK RECOMMENDED

Any wide-carriage dot-matrix printer

None

Software

PLAN FORMULATION DBMS dBase III

MENU-DRIVEN

Report Last Updated: 07/01/87 CPRBBS:

Summary

CEHYDRO is a menu-driven dBase III application, that allows the user to add, edit, select and print summary and detailed information about hydroelectric facilities at Corps dams. Each record in the data base corresponds to a Corps dam and includes the Division and District where the project is located, the state, county, project name, river, longitude, latitude, drainage area, head, existing capacity and potential additional capacity. The data base is used to keep track of the status of existing non-Federal hydropower facilities at Corps dams and new Federal Energy Regulatory Commission license applications at Corps dams. Information about non-Federal license activity is obtained directly from FERC.

Input

The CEHYDRO data base contains current information as of May 1986. No additional inputs are needed unless there are changes in project information. IWR will continue to update and provide the data base; if the data base is used by other Corps offices they will have to update it..

Output

CEHYDRO can display several types of reports to the display, printer, or disk file. A menu of reports is provided with the application. Report generation is controlled by a menu within the application. Single page displays and printouts can be obtained as well.

Usage

CEHYDRO is used to maintain current status of hydroelectric power activity at Corps dams. The information provided by CEHYDRO can be used in strategic planning for dealing with hydroelectric power development by Corps and non-Federal developers at existing Corps dams.

Comments

CEHDYRO is menu-driven for ease of use by individuals with little or no microcomputer experience. A copy of dBASE III is required. Also, a menu-driven system is rather rigid with respect to the reports that are generated; if additional reports are desired program changes must be made. Finally, the project information must be updated to remain current.

FLOOD2 program	T 00002

To sort raw field inventory data by: type of home, basin, total elevation, and average value; and to assign a percentage to each record for contents value as a proportion of home value; and print a listing.

Point of Contact

Michael T.	Byrd	CELMN-PD-E	862-1920	fts

Computer Requirements

IBM 256K BW/COLOR

IBM PC-DOS 2.0 or higher HARD DISK RECOMMENDED

Any wide-carriage dot-matrix printer

Software

FLOOD DAMAGES DBMS dBase III

NO DOCUMENTATION

Report Last Updated: 07/01/87 CPRBBS:

Summary

FLOOD2 is an application written with the programming language in dBase III. It sorts raw field inventory data by home type, basin, total elevation, and average value; sums all records for each combination to obtain a total value of one story and a total value of two story homes fitting that combination description. It does this by summing the number of homes in each combination and multiplying this sum by the average value of homes and the proportion of 1 or 2 story homes. It assigns a percentage to each record for contents as a proportion of average home value (determined by past relationships and input into the program). If used as intended, it doesn't require knowledge of programming and few instructions.

Input

Requires basin, total elevation, type of house (mobile or fixed), number of homes, proportion of 1 and 2 story homes in the area, and average value of homes. Accepts location, ground elevation square footage, % of home value equal to content value, and map number and places these in the index file. .

Output

Prints the record number, basin, total elevation, total value of one story homes, contents as a percentage of home value, and the total value of two story homes. It prints one list for fixed and one for mobile homes. They are ordered by basin, total elevation and average value. A printout of the index file provides a list of all of the input items in this sorted order.

Usage

It may be used for an easy to read input for flood damage programs which do not require individual structure inputs. It allows for quick and easy entry of unorganized data with an automatic printout of the results.

Comments

Strength: Flexible enough to include items of your choice and to alter the sorting arrangement with small program changes. Limitation: Does not provide for direct data input to damage calculation programs, although the index file may be used for such if the data are formatted to the requirements of your program.

NADPL Factsheet Program	A 00003

Provides a concise summary of information in fact sheet format for each study/project in NAD jurisdiction.

Point of Contact

Ms. Diane R.	Dunnigan	CENAD-PL-F	212-264-7088	264-7088 fts

Computer Requirements

IBM 256K BW/COLOR

IBM PC-DOS 2.0 or higher HARD DISK REQUIRED

Any IBM compatible printer

Software

MANAGEMENT DBMS dBase III

MENU-DRIVEN APPLICATION

Report Last Updated: 07/01/87 CPRBBS:

Summary

Input

Output

Usage

Comments

NADPL SMALPROJ Program	A 00004

Provides a concise summary of information in data base format for each study/project in the Continuing Authority program in NAD jurisdiction.

Point of Contact

Ms. Diane R.	Dunnigan	CENAD-PL-F	212-264-7088	264-7088 fts

Computer Requirements

IBM 256K BW/COLOR

IBM PC-DOS 2.0 or higher HARD DISK RECOMMENDED

Any IBM compatible printer

Software

MANAGEMENT DBMS dBase III

MENU-DRIVEN APPLICATION

Report Last Updated: 07/01/87 CPRBBS:

Summary

Input

Output

Usage

Comments

NADPL NEPA Program	A 00005

Status of NEPA procedures for projects in the survey and GDM programs. Allow fast tracking of NEPA procedures.

Point of Contact

Ms. Diane R.	Dunnigan	CENAD-PL-F	212-264-7088	264-7088 fts

Computer Requirements

IBM 256K BW/COLOR

IBM PC-DOS 2.0 or higher HARD DISK RECOMMENDED

Any IBM compatible printer

Software

MANAGEMENT DBMS dBase III

INSTRUCTIONS WITH APPLICATION

Report Last Updated: 07/01/87 CPRBBS:

Summary

Input

Output

Usage

Comments

NADPL Lobby Program	A 00006

Provides listing of organizations whose activities influence NAD Civil Works program.

Point of Contact

Ms. Diane R.	Dunnigan	CENAD-PL-F	212-264-7088	264-7088 fts

Computer Requirements

IBM 256K BW/COLOR

IBM PC-DOS 2.0 or higher HARD DISK RECOMMENDED

Any IBM compatible printer

Software

MANAGEMENT DBMS dBase III

MENU-DRIVEN APPLICATION

Report Last Updated: 07/01/87 CPRBBS:

Summary

Input

Output

Usage

Comments

NADPL Congress Program	A 00007

Provides a comprehensive display of study/project activity by Congressional District and the stage of the study/project process.

Point of Contact

Ms. Diane R. Dunnigan CENAD-PL-F 212-264-7088 264-7088 fts

Computer Requirements

IBM 256K BW/COLOR

IBM PC-DOS 2.0 or higher HARD DISK RECOMMENDED

Any IBM compatible printer

Software

MANAGEMENT DBMS dBase III

MENU-DRIVEN APPLICATION

Report Last Updated: 07/01/87 CPRBBS:

Summary

Input

Output

Usage

Comments

NADPL Mailbox Program	A 00008

Provides quick reference listing of all congressional correspondence which NADPL receives directly or via the districts.

Point of Contact

Ms. Diane R.	Dunnigan	CENAD-PL-F	212-264-7088	264-7088 fts

Computer Requirements

IBM 256K BW/COLOR

IBM PC-DOS 2.0 or higher HARD DISK RECOMMENDED

Any IBM compatible printer

Software

MANAGEMENT DBMS dBase III

MENU-DRIVEN APPLICATION

Report Last Updated: 07/01/87 CPRBBS:

Summary

Input

Output

Usage

Comments

NADPL Travel Program	A 00009

Administrative data base to keep track of the Planning Department's travel plans.

Point of Contact

Ms. Diane R.	Dunnigan	CENAD-PL-F	212-264-7088	264-7088 fts

Computer Requirements

IBM 256K BW/COLOR

IBM PC-DOS 2.0 or higher HARD DISK RECOMMENDED

Any IBM compatible printer

Software

MANAGEMENT DBMS dBase III

MENU-DRIVEN APPLICATION

Report Last Updated: 07/01/87 CPRBBS:

Summary

Input

Output

Usage

Comments

Water Supply Planning Model	T 00010

To select least costly Water Supply System from known Water Sources, and for a defined area with undefined demands. Input is demand information. Program selects Water Source.

Point of Contact

Alan	Johnson	CEMRO-PD-A	402-221-4887	864-4887 fts

Computer Requirements

IBM — BW

MS-DOS — HARD DISK RECOMMENDED

Any dot matrix

Software

ECONOMICS — MODEL — GW-BASIC 3.2

SEPARATE DOCUMENTATION TO BE PRINTED BY JUNE 1, 198

Report Last Updated: 07/01/87 — CPRBBS:

Summary

Program will accept demand information for up to 32 towns and 7 rural water systems in a 10,000 sq. mile area of eastern South Dakota and select the least costly plan to supply water to the demand sectors input. Eight sources are available for selection. The program will compare the sources and distribution systems to determine least cost. The program is available for local officials, so they can get ideas of the water supply options they have.

Input

Population, point of demand (town or rural water system), per capita use, livestock demand, price of PVC pipe, ENR INDEX, Interest rate.

Output

Source(s) developed, amount of water from source, cost (capital, O&M, annualized) for source development, treatment, pipe, pumps, and secondary distribution. Subroutine calculates economic costs of using different quality waters (based on hardness and total dissolved solids).

Usage

It can be used to compare different demands of the area residents and their impacts of selecting water resources development.

Comments

Strengths: Prompted input, list of available demand sectors provided, quick analysis and comparisons between demands for public information and debate. Viable product of Eastern South Dakota study.Limitations: Good only for specific area in Eastern South Dakota. Peaking Factor set a 2. Planning tool only, not for design.

Emergency Water Planning Database (EWP)	A 00011

A Menu-Driven database of all Federal and Non-Federal water use occurring on a per state basis. Information on water agreements and alternative water sources are also recorded by hydrologic units.

Point of Contact

Randall	Behm	CEMRO-PD-A	402-221-4475	864-4475 fts

Computer Requirements

IBM 883 K Bytes COLOR

KAYPRO MS-DOS 3.2 HARD DISK RECOMMENDED

IBM Compatible

Software

SPECIAL STUDIES DBMS dBase III

MENU-DRIVEN APPLICATION AND SEPARATE DOCUMENTATION

Report Last Updated: 07/01/87 CPRBBS:

Summary

Input

Output

Usage

Comments

Port Information Management System	A 00012

To provide a variety of information and data on navigation projects and related features for a wide audience.

Point of Contact

Steve	Chesser	CENPP-PL-AP	503-221-6465	423-6465 fts

Computer Requirements

IBM 640K COLORGRAPHICS

DOS 2.0 or higher HARD DISK RECOMMENDED

Graphic Printer

Software

MANAGEMENT SS LOTUS 123

INSTRUCTIONS WITH APPLICATION

Report Last Updated: 07/01/87 CPRBBS:

Summary

Input

Output

Usage

Comments

Analysis of Information and Diversity	T 00013

Analysis of Ecological or Economic Information

Point of Contact

Danil	Hancock	CENPP-PLAP-P	503-221-2831	423-2831 fts

Computer Requirements

IBM 640K GRAPHICS

MS-DOS

Any

Math-co-processor helps

Software

ECONOMICS STATISTICS ?????

USER MANUAL

Report Last Updated: 07/01/87 CPRBBS:

Summary

Computes all major analyses frequently used in Ecological Data Management including cluster analysis, diversity, and niche breadth.

Input

Output

Usage

Comments

Files.dbf	A 00014

Provide listing of PD District File (active correspondence files).

Point of Contact

Marian	Goetzmann	CENCR-PD	309-788-6361	386-6624 fts

Computer Requirements

IBM 384K BW/COLOR

PC DOS Version 3.10 HARD DISK RECOMMENDED

Wide Carriage Dot Matrix

Software

PROG DEVELOPMENT DBMS dBase III Plus

USER MANUAL

Report Last Updated: 07/01/87 CPRBBS:

Summary

Provides listing of PD District File (active correspondence files) with corresponding MARKS Numbers and Title, file title, and dates.
Note: Currently in process of changing from TAFFS to MARKS. Also some reorganization of files taking place.

Input

Periodically add or delete as reports are added or deleted.

Output

FILES.frm (report) - PD District File listing.

Usage

To indicate PD District File (active correspondence files), their classifications, and District File organization.

Comments

Large file for dBase III Plus. Additions take considerable time. Reports take considerable time to print.

Reports.dbf, Reports.frm	A 00015

Provide listing of reports prepared by PD and maintained for practical and historical reference.

Point of Contact

Marian	Goetzmann	CENCR-PD	309-788-6361	386-6624 fts

Computer Requirements

IBM 384K BW/COLOR

PC DOS Version 3.10 HARD DISK RECOMMENDED

Wide Carriage Dot Matrix

Software

PROG DEVELOPMENT DBMS dBase III Plus

USER MANUAL

Report Last Updated: 07/01/87 CPRBBS:

Summary

Provides listing of reports prepared by PD and maintained for practical and historical reference. Collection of reports concerns flood control, cultural resources, environmental concerns, and various other topics.

Input

Periodically add or delete as reports are added or deleted.

Output

REPORTS.FRM (report) - Listing of PD reports collection.

Usage

As a reference listing.

Comments

Large file for dBase III Plus. Additions take considerable time. Reports take considerable time to print.

FILENO.dbf, FILENO.frm	A 00016

Provide File number listing required by MARKS (The Modern Army Recordkeeping System).

Point of Contact

Marian	Goetzmann	CENCR-PD	309-788-6361	386-6624 fts

Computer Requirements

IBM 384K BW/COLOR

PC DOS Version 3.10 HARD DISK RECOMMENDED

Wide Carriage Dot Matrix

Software

PROG DEVELOPMENT DBMS dBase III Plus

USER MANUAL

Report Last Updated: 07/01/87 CPRBBS:

Summary

Provides File Number Listing required by MARKS (The Modern Army Recordkeeping System) for the PD District File (correspondence files). See MARKS, Chapter 2, Section 2-2, and Figure 2-1.
Note: Currently in process of changing TAFFS Numbers to MARKS numbers.

Input

Add or delete MARKS File Numbers and Titles according to use or lack of use in the PD District File (correspondence files).

Output

FILENO.frm - File Number Listing in report form.

Usage

Used to meet MARKS requirement for File Number Listing.

Comments

PLUG.dbf, PLUG.frm, PLGU1.frm	A 00017

Provide listing of regulations, changes, and related publications currently maintained in the Planning Guidance notebooks and provide additional listing with an expiration date field for in-house reference use only.

Point of Contact

Marian	Goetzmann	CENCR-PD	309-788-6361	386-6624 fts

Computer Requirements

IBM 384K BW/COLOR

PC DOS Version 3.10 HARD DISK RECOMMENDED

Wide Carriage Dot Matrix

Software

PROG DEVELOPMENT DBMS dBase III Plus

USER MANUAL

Report Last Updated: 07/01/87 CBBS:

Summary

Provides an updatable listing of "Status Sheets" of current regulations,changes, and related publications for insertion in Planning Guidance Notebooks along with each distribution. This listing only shows those regulations, changes, and regulations currently maintained in the Planning Guidance Notebook.
Also provides an updatable listing like that described above with additional expiration date field.

Input

Update periodically as new regulations are received.

Output

PLUG.frm (report) - for use as Status Sheets in the Planning Guidance Notebook PLGU1.frm (report) - same as above report only with additional expiration date filled for in-house informational use.

Usage

Reports are used as Status Sheets in Planning Guidance Notebooks and for reference purpose.

Comments

PROP.dbf, (PROP.frm, PROP.prg), (PROP1.ndx, PROP1.frm, PROP1.prg	A 00018

1) Provide listing of PD Purchase Request (PR) items, dates, amounts, etc. 2) Provide current FY PR information subtotaled by Branch.3) Provide PD "small items" or minor nonexpendable nonaccountable items listing organized by branch location.

Point of Contact

Marian	Goetzmann	CENCR-PD	309-788-6361	386-6624 fts

Computer Requirements

IBM 384K BW/COLOR

PC DOS Version 3.10 HARD DISK RECOMMENDED

Wide Carriage Dot Matrix

Software

PROG DEVELOPMENT DBMS dBase III Plus

USER MANUAL

Report Last Updated: 07/01/87 CPRBBS:

Summary

1) Provides listing of PD Purchase Request items, dates, amounts, etc.
2) Provides current PD Fiscal Year Purchase Request information subtotaled by Branch.
3) Provides PD "small items" or minor nonexpendable/nonaccountable items listing organized according to current Branch location.

Input

Purchase Request information must be input regularly.

Output

1) PROP.prg - Computes TOTAL field in PROP.dbf and prints PROP.frm (listing of PD Purchase Request items, dates, amounts, etc); 2) PROP1.prg - Computes TOTAL field, indexes on field ORDEREDFOR, prints PROP1.frm for FISCALYEAR 87, subtotaled on field ORDEREDFOR and totaled at end. 3) PROP2.prg - Computes TOTAL field, indexes on field ASSIGNEDTO and prints PROP2.frm .

Usage

1) PROP.prg - Provides listing of PD Purchase Request items, dates, amounts, etc.; 2) PROP1.prg - Provides PD Purchase Request information subtotaled by Branch for current fiscal year; 3) PROP2.prg - Provides "small items: (minor nonexpendable/nonaccountable) items listing organized according to current Branch locations. (PD listing).

Comments

Program Evaluation (Progrev.bas)	A 00019

Used for management of funds.

Point of Contact

Judy	Melton	CENCR-PD	309-788-6361	386-6624 fts

Computer Requirements

IBM 128K BW/COLOR

IBM DOS Version 3.10 HARD DISK RECOMMENDED

Wide Carriage Dot Matrix

Software

MANAGEMENT FISCAL IBM Basic Version D3.10

USER MANUAL

Report Last Updated: 07/01/87 CPRBBS: EXAMPLE

Summary

PROGREV is a menu driven application in BASIC, containing 2 programs and 24 data files. Program input is budgetary (work allowance, carryin, transfer, carryout, cost share), expenditure, obligation, and project manager data. The program contains information for 3 fiscal years. Within each year the data is divided by appropriation (GI, CG [continuing authorities indicated], O and M, and Work for Others). Each appropriation will hold up to 40 projects/studies. Within each project the expenditure and obligation data is entered by organization, and within each organization by quarter. Actual expenditures are entered by completed quarter, and the remaining quarters are estimated. 160 projects/studies per fiscal year are allowed.

Input

PROGREV is updated quarterly. All data files operate as part of the program and are updated through the program only. No additional input is required.

Output

Data summary sheets by project, Program schedule DA2101 by project, report of expenditures by organization, report of expenditure by appropriation, staff level summaries for Planning and Engineering Division, summaries by individual organization, carryout report, report of total allocations, report of project managers/projects/dollar amount managed(by manager or all).

Usage

1) Longer range program outlook -can program for CY, BY-1 and BY in order to project for 3 consecutive fiscal years; 2) Current year program scheduling - for inhouse workload analysis; project carryouts requested for higher authorities; FTE's required for program execution; FORCON exercises; 2101 Schedule, etc.; 3) by study managers, Division Program Analyst, Chief.

Comments

The entire application (programs and data files), excluding the BASIC software program uses over 200,000 bytes of storage. The large size tends to slow processing and printing time.

Sick Leave Usage	A 00020

Monitor sick leave usage.

Point of Contact

Judy	Melton	CENCR-PD	309-788-6361	386-6624 fts

Computer Requirements

IBM 384K BW/COLOR

IBM DOS Version 3.10 HARD DISK RECOMMENDED

Any wide Carriage-Dot-Matrix

Software

MANAGEMENT DBMS dBase III Plus

USER MANUAL

Report Last Updated: 07/01/87 CPRBBS:

Summary

Contains information on sick leave taken by calendar year since 1984. Projects the average usage for the current year based on to date usage.

Input

Updated quarterly from leave report.

Output

Detailed listing of employees with branch, grade and sick leave for 1984-87. Two reports are given. The first is grouped and subtotaled by branch; the second by grade. There is a summary of average usage by employee.

Usage

Used as a management and information tool by the Chief of Planning.

Comments

Study Managers	A 00021

To supply a list of projects with the study manager and their phone extensions.

Point of Contact

Ruth	Johnson	CENCR-PD	309-788-6361	fts

Computer Requirements

IBM 384K BW/COLOR

IBM DOS Version 3.10 HARD DISK RECOMMENDED

Any wide Carriage-Dot-Matrix

Software

MANAGEMENT DBMS dBase III Plus

USER MANUAL

Report Last Updated: 07/01/87 CPRBBS:

Summary

Supplies a list of current project/studies with the study manager and phone extension to distribute within the district.

Input

File updated and run Quarterly.

Output

A Listing.

Usage

For information and quick reference.

Comments

POOLINFO	A 00022

To provide a list of potential dredged material users along the Mississippi River (Pools 11-22) and the Illinois Waterway.

Point of Contact

Darron	Niles	CENCR-PD-R	309-788-6361	386-6400 fts

Computer Requirements

IBM 384K BW/COLOR

IBM DOS Version 3.10 HARD DISK RECOMMENDED

Any wide Carriage-Dot-Matrix

Software

MANAGEMENT DBMS dBase III Plus

NO DOCUMENTATION

Report Last Updated: 07/01/87 CPRBBS:

Summary

This application allows the user to print information about potential users of dredged material. Each record contains the following data: Pool, river mile, name of potential user, Point of Contact, complete address, phone, nearest active dredge cut, historic dredge cut (both are river miles), potential use, amount of sand (tons) used last year, anticipated amount per year and for next 10 years, disposal site desired by the user, distance the user is willing to travel for the dredged material, any available assistance a user would be willing to offer in return for the dredged material, a logical field telling whether the potential user did or did not respond to the survey. Records are indexed by river mile within each pool.

Input

Input is taken from responses to surveys sent to potential users in the summer of 1986. All input is current but will need to be updated when another survey is sent, (approximately 2 years).

Output

All output is printed on 8 1/2 x 11" paper. The user can select one of 3 types of output from a menu: 1) Print data about each potential user who responded to the survey; 2) Print data about those who did not respond; 3) Print data from one specific record.

Usage

This data base is used to maintain the current interest level of potential users of beneficial use stockpile sites. Information is used when considering a location for a new beneficial use stockpile and for notifying potential users of the status of existing or new stockpiles in Mississippi River Pools 11-22 and the Illinois Waterway.

Comments

Limited usage only.

Continuing Authorities Program Data Base (Basic)	A 00023

To provide District Commander/Division Chiefs/Branch Chiefs, & others with information on current study progress within the continuing authorities program. Also provides access to historical files containing completed/terminated study info.

Point of Contact

Thomas S.	Bales	CENCR-PD-F	309-788-6361	386-6452 fts

Computer Requirements

IBM 128K BW/COLOR

IBM PC-DOS Version 3.10 HARD DISK RECOMMENDED

"Sideways" Program Compatible

Software

MANAGEMENT DBMS IBM Basic Version D3.10

USER MANUAL

Report Last Updated: 07/01/87 CPRBBS: EXAMPLE

Summary

CAP.BAS is a menu-driven application written in BASIC. The user can add new projects, revise old projects by entire project or by selected items, delete projects, and transfer projects to completed/terminated program data files. Each study entered can be followed from study initiation through handing the project over to the project sponsor for O&M. The spread sheet, which is printed out by "Sideways" (print program), presently contains 57 columns of study data information. All studies or separate individual study information can be recalled and printed. The program has a file selection menu so the user can select information input or retrieval for initial appraisal study stage, reconnaissance, or feasibility stage.

Input

CENCR-PD-F updates the program at the beginning of each month. Intermediate monthly updates are made only if it is critical to individuals requiring information.

Output

Report generation is made through utilizing the program's reports menu section, which creates an output file which then can be printed out on the "Sideways" program. The "Sideways" print program provides a selection menu of settings to achieve type, size, and density of the print plus sizing of print paper.

Usage

CAP.BAS is used to keep all personnel associated with the continuing authorities program informed on current study and completed/terminated study information in so far as geographical study locations, congressional Dist., Study milestones, environmental permitting actions, Est. Project cost, cost apportionment, construction, and completion.

Comments

CAP.BAS is easy to use - CENCR-PD-F has made an instruction manual for users. CAP.BAS is very useful if you get frustrated trying to look up dates which deal with study milestones etc. The program could definitely be adopted corps-wide. It's also nice to know where you've done previous studies and the outcome without having to retrieve the actual documents.

Environmental Analysis Schedule	A 00024

To keep track of the status of District projects requiring input from Environmental Analysis Branch.

Point of Contact

Charlene	Carmack	CENCR-PD-E	309-788-6361	386-6570 fts

Computer Requirements

IBM 128K BW/COLOR

IBM PC-DOS 2.X or higher HARD DISK RECOMMENDED

Any wide-carriage Dot-Matrix printer

Software

MGMT/ENVIRONMENT DBMS IBM Basic Version D3.10

MENU-DRIVEN APPLICATION

Report Last Updated: 07/01/87 CPRBBS:

Summary

Environmental Analysis Schedule is a menu driven application written with the BASIC programming language. This application allows the user to add, edit, select and print information about District projects receiving input from Environmental Analysis Branch. Each project record in the program file is categorized according to project type (GI, CG, O&M, etc.) and includes project/study name, environmental study manager(s), funding, date of Fish and Wildlife Service Fund Transfer Agreement, milestone dates, cultural resources status, and other comments. A primary use of the program is to keep track of environmental milestones, funding, and status for District Projects.

Input

The program contains information beginning in FY86. Changes in projects or project information require additional input.

Output

The program can display several types of reports to the screen or printer. It also has some capability to analyze project information. A menu of reports is provided with the application. Report generation is controlled by a menu within the application.

Usage

The program is used to maintain current status of environmental input on District projects. The information contained in the program can be used to keep track of project schedules, funding and status.

Comments

The program is menu-driven for ease of use. Inexperienced users may consult the printed user manual for help in using the menus. The program is rather rigid with respect to the amount and type of input allowable and the reports generated. Space for additional projects is limited. Project information must be updated to remain current.

Levee Quantities	T 00025

To replace hand calculations of material quantities.

Point of Contact

Lere	Busch	CENCR-PD-P	386-6393 fts

Computer Requirements

IBM 128K BW/COLOR

IBM PC-DOS Version 3.10 HARD DISK RECOMMENDED

Any wide-carriage Dot-Matrix printer

Software

PLAN FORMULATION SS LOTUS 123

SEPARATE DOCUMENTATION FILE

Report Last Updated: 07/01/87 CPRBBS:

Summary

Computes earth fill, stripping, seeding, right-of-way, and trench excavation quantities, levee height.

Input

Levee top width, side slope ratios, stationing, average ground elevation at station.

Output

Cubic yards fill, squared feet seeding, cubic yard, stripping, acres right-of-way, cubic yards excavation.

Usage

To determine unit quantities for levee cost estimates used in flood control studies.

Comments

Not user friendly but saves lots of time.

I-WALL AND T-WALL QUANTITIES	T 00026

Point of Contact

Lere	Busch	CENCR-PD-P	386-6393 fts

Computer Requirements

IBM 128K BW/COLOR

IBM PC-DOS Version 3.10 HARD DISK RECOMMENDED

Any wide-carriage Dot-Matrix printer

Software

PLAN FORMULATION SS LOTUS 123

SEPARATE DOCUMENTATION FILE

Report Last Updated: 07/01/87 CPRBBS:

Summary

Computes cubic yards of concrete, excavation quantities and determines if I-wall or T-wall is best, based on height.

Input

Stationing, average ground elevation at station.

Output

Cubic yards of concrete, whether or not I-wall or T-wall is appropriate, cubic yards of excavation.

Usage

In flood control studies to determine unit quantities for cost estimates.

Comments

Not a user friendly program.

Non-Structural Analysis	T 00027

Point of Contact

Lere	Busch	CENCR-PD-P	fts

Computer Requirements

IBM 128K BW/COLOR

IBM PC-DOS Version 3.10 HARD DISK RECOMMENDED

Any wide-carriage Dot-Matrix printer

Software

PLAN FORMULATION SS LOTUS 123

SEPARATE DOCUMENTATION FILE

Report Last Updated: 07/01/87 CPRBBS:

Summary

Determines if a structure should be relocated, raised, or demolished.

Input

Inputs entered for each run of the program.

Output

Usage

Comments

Not a user friendly program.

Failure/Monte Carlo Model	T 00028

To simulate failure of a structure(s) at future point(s) in time based on an estimate of annual probability of failure in each year of the period of analysis. This model also discounts and annualizes monetary consequences of such failures.

Point of Contact

Jack	Carr	CENCR-PD-C	309-788-6361	386-6396 fts

Computer Requirements

IBM 256K BW/COLOR

IBM PC-DOS HARD DISK RECOMMENDED

Printer required, but no specific model

Software

ECONOMICS MODEL

NO DOCUMENTATION

Report Last Updated: 07/01/87 CPRBBS:

Summary

This model uses annual probabilities to evaluate fail/no fail outcomes for various items during each year of the period of analysis. A random number and random range of numbers are generated for each year. If the random number falls within the random range of numbers designated as a failure, the model indicates a failure in that year. If there is no failure, the next year is calculated. This process continues until the random number falls within the "failure range" and stops the simulation. The model then computes the present value of the costs for a failure of an item. Each of these simulations can be repeated as many times as desired for each item of the system subject to failure, and an average of all simulations computed.

Input

Interest rate, random number seed, Period of Analysis, Annual Probability of Failure for Structure(s) being evaluated, Monetary consequences of failure - can be separated into categories (i.e. navigation losses and repair costs).

Output

Number of failures occurred in year Present value of failure cost

Usage

Used in evaluating benefits of lock and dam rehabilitation.

Comments

Strength - structured method of evaluating probable failure.
Limitation - model outputs are only as good as inputted probabilities.

Awards Program	A 00029

To supply detailed information about awards within Planning Division.

Point of Contact

Judy	Melton	CENCR-PD	309-788-6361	386-6624 fts

Computer Requirements

IBM 128K BW/COLOR

IBM PC-DOS Version 3.10 HARD DISK RECOMMENDED

Any wide-carriage dot-matrix printer

Software

MANAGEMENT DBMS IBM Basic Version D3.10

USER MANUAL

Report Last Updated: 07/01/87 CPRBBS:

Summary

The Awards Program supplies a h story of awards given in the Planning Division from 1964 to present (what information was available for earlier years). The program contains data on employees (both past and current), information on the Awards issued, and the current fiscal year dollar amount to be issued for Awards. The program is designed to last until FY 92. The program is menu driven and allow for additions, revisions, deletions and reports. Reports include information processed by grade and sex to compare the fairness of the system. The program is used to monitor current FY Awards.

Input

The Program is updated quarterly. The input files are included within the program.

Output

Data on employees, a list of Awards given, total expenditures by fiscal year, branch expenditures by fiscal year, the current fiscal year budget and expenditures and numerous reports that generate information regarding sex and grade of award recipients.

Usage

Used as a management and information tool. Also used to show current fiscal year expenditures for Awards.

Comments

Not sure how much data we are missing for early years. Program needs to be expanded to hold more data.

Interest During Construction (IDC)	T 00030

To compute interest during construction for feasibility analysis of civil works projects.

Point of Contact

Bob	Bartel	CENAO-PL-E	804-441-3102	827-3102 fts

Computer Requirements

Macintosh	512K	BW
Macintosh		HARD DISK RECOMMENDED

Image Writer Dot-matrix or Laser Printer

Software

ECONOMICS	SS	EXCEL

INSTRUCTIONS WITH APPLICATION

Report Last Updated: 07/01/87	CPRBBS:	EXAMPLE

Summary

The application allows the user to compute the future value of interest during construction based on expected annual expenditures. The user need only know construction cost, total construction periods (months), the month annual expenditure begins (in the example expenditure begins at the 13 month) and interest rate). Program will assume equal monthly expenditure and compute future value of interest on those expenditures to construction completion data.

Input

Interest rate, construction cost, period of construction.

Output

Output consists of table of computation of interest periods, future value and summation of future values resulting in total value of interest during construction at construction completion date.

Usage

The program is used for required inclusion of IDC in BCR analysis of Civil Work projects.

Comments

Continuing Authorities Report	A 00031

Upward reporting of information on Continuous Authority Program projects.

Point of Contact

Jim	Melchor	CENAO-PL-R	804-441-3766	827-3766 fts

Computer Requirements

Macintosh 512K BW

Macintosh HARD DISK RECOMMENDED

Image Writer Dot-matrix or Laser Printer

Software

PLAN FORMULATION DBMS Odesta Double Helix

INSTRUCTIONS WITH APPLICATION - SEPARATE DOCUMENTATION

Report Last Updated: 07/01/87 CPRBBS:

Summary

Upward reporting of Continuing Authority Project Information to Division.

Input

Fill in the blanks; save as a text document; send to Division over modem where it is loaded directly into dBase III Plus database.

Output

Data file

Usage

See Summary

Comments

Strength - transportability of data from one system to another.

Nonstructural Evaluation of Residential Structures	T 00032

To estimate the cost of raising residential structures above a needed flood elevation.

Point of Contact

Robert	Pretlow	CENAO-PL-F	804-441-6385	827-6385 fts

Computer Requirements

MACINTOSH 512K BW

Macintosh HARD DISK RECOMMENDED

Image Writer Dot-matrix or Laser Printer

Software

PLAN FORMULATION SS/DBMS Microsoft Excel

INSTRUCTIONS WITH APPLICATION - SEPARATE DOCUMENTATION

Report Last Updated: 07/01/87 CPRBBS:

Summary

This application is a Microsoft Excel application. It estimates the cost of raising residential structures to reduce flood damages. The program compares the design flood elevation to the first floor elevation of each structure. Where the first floor is lower than the design flood, the program will calculate the number of feet needed to raise the structure. It then converts this number of feet to the number of 8 inch concrete blocks required to elevate the structure. Finally, the program calculates the cost of raising the structure and sums the cost for all structures in the flood plain.

Input

Inputs required are: 1) Resident address and first floor elevation

Output

Outputs generated are: 1) Total cost to raise structures

Usage

This application will give the planner a preliminary cost estimate which can be used to evaluate the feasibility of raising residential structures to reduce flood damages. Marginally feasible nonstructural plans would require a more detailed analysis using other methods while clearly unfeasible plans can be eliminated from further consideration.

Comments

The program assumes that no structure can be raised over 8 feet and assigns no cost in this situation ($0) The program requires that the assumption be made that all structures are of one construction type (ie. 2-story, 1 1/2-story, brick, wood frame)

Reports	A 00033

A text-oriented relational database for cataloging scientific contract reports.

Point of Contact

Jim	Melchor	CENAO-PL-R	804-441-3766	827-3766 fts

Computer Requirements

Macintosh	512K	BW
Macintosh		HARD DISK RECOMMENDED
Image Writer		

Software

ENVIRONMENT	DBMS	Odesta Double Helix

INSTRUCTIONS WITH APPLICATION

Report Last Updated: 07/01/87 CPRBBS:

Summary

Allows efficient management and retrieval of substantial number of scientific reports prepared as part of our planning projects.

Input

Fill in the blanks about the report including a short abstract.

Output

Screen and printed.

Usage

See summary above.

Comments

Strong point - allows simultaneous multiple string searches in a single field.

MACE Program (Translations)	T 00034

Have translated MACE Programs to run as stand alone programs on Apple Macintosh computers.

Point of Contact

Jim	Melchor	CENAO-PL-R	804-441-3766	827-3766 fts

Computer Requirements

Macintosh 512K BW

Macintosh HARD DISK RECOMMENDED

Image Writer or Laser Writer

Software

PLAN FORMULATION MODEL Microsoft Basic V3.0 and Microsoft Basic Compiler

INSTRUCTIONS WITH APPLICATION - SEPARATE DOCUMENTATION

Report Last Updated: 07/01/87 CPRBBS:

Summary

Translations of the standard MACE programs which were written in Basic for the IBM PC and compatible computers. The MACE programs were translated using Microsoft Basic for the Macintosh (version 3.0). They were then compiled using Microsoft Basic Compiler for the Macintosh and a run time kernel was added to make them stand alone applications which do not need the Basic programs.

Input

Output

Usage

Various

Comments

They run as stand alone applications on the Macintosh. Compiling them makes them run as fast as greased lighting.

Total Probability	T 00035

To compute total probability for interior drainage analysis for 6 river stages and 8 interior ponding levels

Point of Contact

R. Owen	Reece, Jr.	CENAO-PL-H	804-441-3771	827-3771 fts

Computer Requirements

MACINTOSH 512K BW

Macintosh HARD DISK RECOMMENDED

Image Writer or Laser Writer

Software

DESIGN SS/MODEL Microsoft Excel

INSTRUCTIONS WITH APPLICATION - SEPARATE DOCUMENTATION

Report Last Updated: 07/01/87 CPRBBS:

Summary

See Purpose

Input

Output

Usage

Evaluation of interior drainage analysis.

Comments

Riprap	T 00036

Conceptual design calculations for rubble revetments and seawalls.

Point of Contact

Jim	Melchor	CENAO-PL-R	804-441-3766	827-3766 fts

Computer Requirements

MACINTOSH 512K BW

Macintosh HARD DISK RECOMMENDED

Image Writer or Laser Writer

Software

H&H/GEOTECH SS/MODELING Microsoft Excel

INSTRUCTIONS WITH APPLICATION

Report Last Updated: 07/01/87 CPRBBS:

Summary

Riprap is an application written in Microsoft Excel for the Macintosh computer. It calculates armor and core stone sizes, armor thickness, and crest width for both uniform and graded riprap depending upon stability coefficient used.

Input

Wave height, water type (e.g. salt, fresh), stone type (e.g. granite, limestone, concrete, etc), slope of structure, stability coefficient, and number of layers.

Output

Screen display or printed hard copy of: Armor weights and ranges (uniform or graded)

Usage

Conceptual Design of shoreline protection structures.

Comments

Allows rapid calculations for a variety of "what if" situations which allows project manager to see immediately the impact of varying parameters.

Average Annual Damage Computation	T 00037

To determine average annual damages for economic evaluation of flood control alternatives.

Point of Contact

Jim	Creighton	CENAO-PL-E	804-441-3769	827-3769 fts

Computer Requirements

Macintosh 512K BW

Macintosh HARD DISK RECOMMENDED

Image Writer (dot matrix wide carriage)

Second disk drive is desirable if hard disk is not available

Software

ECONOMICS SS/STATISTICS Microsoft Excel

'FILL-IN-THE-BLANKS' DOCUMENTATION

Report Last Updated: 07/01/87 CPRBBS:

Summary

Input

Output

Usage

Comments

Power System Analysis Worksheet	T 00038

Evaluate impacts of alternative operations of the Pacific Northwest hydropower system on the cost of operating regional thermal power plants and power exports to the southwest region

Point of Contact

Tom	White	CENPD-PL-EC	503-221-2088	423-2088 fts

Computer Requirements

IBM 640K BW

MS DOS 2.1 HARD DISK REQUIRED

DOT MATRIX (faster the better)

Software

ECONOMICS SS LOTUS 123

INSTRUCTIONS WITH APPLICATION

Report Last Updated: 07/01/87 CPRBBS: EXAMPLE

Summary

The worksheet models the Pacific Northwest hydro/thermal electrical power system. It is a load/resource model, which serves NW regional electric power loads by economic dispatch of regional resources. Power which is surplus to the NW load is exported to the SW market.

Input

Thermal power resource energy capabilities; variable costs and maintenance schedule; must run thermal resources; system hydro generation by month for period of record; marginal operating cost of SW regional resources; regional load forecasts (uses three-point forecast)

Output

System variable operating Costs; Thermal generation by month and year; SW energy exports and revenue

Usage

The model is used to evaluate impacts of alternative hydropower system operations on the operating costs and regional exports to the Southwest.

Comments

Makes it possible to evaluate a relatively large number of alternatives Takes quite a while to execute (2 hours/alternative and load yr) Still requires evaluation of best alternative using the regional mainframe-based system analysis model to obtain final results.

Computerized Agricultural Crop Flood Damage Assessment System	T 00039

To calculate a crop damage per acre value based on study area cropping pattern. Per acre value used with average annual acres flooded to develop average annual damages.

Point of Contact

Jerry W.	Dean	CELMK-PD-E	601-634-5435	542-5435 fts

Computer Requirements

IBM 256K BW/COLOR

MS-DOS 2.X or higher HARD DISK REQUIRED

Any wide carriage dot-matrix printer

Software

ECONOMICS MODEL Fortran Language and Compiler

PUBLISHED DOCUMENTATION AVAILABLE

Report Last Updated: 07/01/87 CPRBBS:

Summary

CACFDAS is a user-friendly program written in FORTRAN and compiled for the PC. Input to the program included a daily routing of the flood history to include date and peak acres flooded. In addition, flood stages are included. Flood damage tables created for the particular study area are also utilized. Additional data in the form of production costs and net returns are included. All data are compiled to generate an average damage per flooded acre.

Input

Daily stage/routings; flood damage tables; production costs; net returns

Output

CACFDAS generates several report tables depending on the degree of detail wanted. Three modes of the program may be run: debug, the most lengthy;normal; and summary, the shortest

Usage

Used to generate average annual per acre crop damage value

Comments

CACFDAS is user friendly and does not require any additional software

Project Planning	A 00040

To Create study schedules for Corps planning studies based on the critical path method. Study schedules are then used for tracking study progress and expenditures.

Point of Contact

Dave	Timpy	CENAP-EN-P	215-597-5953	597-5953 fts

Computer Requirements

IBM	256k	COL GRAPHICS	
MS-DOS		HARD DISK RECOMMENDED	
Serial			
Plotter (for Timeline graphics)			

Software

MANAGEMENT		PROJECT MGMT	Timeline/graphics, Tot.Proj.Mgr Harvard
INSTRUCTIONS WITH APPLICATION			
Report Last Updated: 07/01/87		CPRBBS:	EXAMPLE

Summary

Both programs feature capabilities to construct a critical path method study schedule. Schedules are easily updated and tracked.

Input

Task names, types, and durations. Resource names and costs. Allocation of resources to each task. Project name, and either or both start or finish date.

Output

PERT Diagrams, Gantt Charts, other miscellaneous reports

Usage

To create initial study schedule of tasks and resource allocation. To produce study expenditure and obligation schedules. To coordinate study tasks with resource elements.

Comments

Strengths: cost, stand alone application (vs. time sharing) ease of use, and connectivity via floppy diskettes
Weaknesses: speed of program execution, plotting of logic diagrams require extensive cut/paste exercises, and lack of customized reports within the application

Chesapeake and Delaware Canal Data Consolidation	A 00041

To consolidate all available data and literature concerning the construction, maintenance, and environmental impacts of the Chesapeake and Delaware Canal

Point of Contact

Dave	Timpy	CENAP-EN-P	215-597-5953	597-5953 fts

Computer Requirements

IBM 640k COLOR

MS-DOS HARD DISK REQUIRED

Serial Printer

Software

DBMS dBase III Plus

INSTRUCTIONS WITH APPLICATION

Report Last Updated: 07/01/87 CPRBBS: EXAMPLE

Summary

The report or database provides quick access to all available information concerning the Chesapeake and Delaware Canal

Input

Summary information for each record

Output

Any output desired within the limits of the database

Usage

Database is designed to be used for identifying data voids, environmental assessments, and public inquiries concerning the C&D Canal

Comments

Strengths - cost, speed, and organized data information for quick and easy retrieval. Updates are also easily entered. Limitations - storage space - current database required 5 360k floppy diskettes or lots of space on hard disk. Use of memo fields not recommended

Data Base Management - Cost Shared Studies	A 00042

Management of a large scale data base; dissemination of data from contractors to other contractors and to the study sponsor Types a good mailing list with headings by state for each agency, organization, individual, etc.

Point of Contact

Ron	Grimes	CELMM-PD-P	901-521-4084	222-4084 fts

Computer Requirements

IBM

DOS

Software

PLAN FORMULATION DBMS dBase III Plus

NO DOCUMENTATION

Report Last Updated: 07/01/87 CPRBBS:

Summary

Takes a mailing list from dBase III and prints it out two columns wide putting each agency, legislator, individual, etc. by state headings at the top of each page. Cost-shared studies - Nothing magical about this application - it's just that it should start people to thinking about large scale data base management with particular interest on receiving data from contractors, manipulating, adding to, and transferring to other contractors or sponsors

Input

mailing list

Output

mailing list for mailing to congressmen

Usage

mail out public meeting notices mail out mailing list to congressional representatives

Comments

PB-6 Study Cost Estimate	A 00043

Prepare PB-6 for submittal for approval

Point of Contact

Richard	Astrack	CELMS-PD-U	314-263-5600	273-5600 fts

Computer Requirements

IBM	256k to run super	BW/COLOR
DOS 2.0 or higher		HARD DISK REQUIRED
dot matrix		

Software

MANAGEMENT	SS	Supercalc 4
NO DOCUMENTATION		
Report Last Updated: 07/01/87	CPRBBS:	EXAMPLE

Summary

Prepares study Cost Estimate (PB-6)

Input

Line item study costs

Output

PB-6 form with input study cost data

Usage

study cost estimates are updated each year

Comments

Easier than typing on blank hard copy; easily changed/corrected/updated This does not establish study costs - just presents them on the standard form ENG Form 4832-R

Monthly Obligation Document Worksheet (MODW)	A 00044

To Keep track of and figure MOD's

Point of Contact

Martin	Howland	CESWG-PL-P	409-766-3140	527-6140 fts

Computer Requirements

IBM 256k BW GRAPHICS

PC-DOS 2.X or higher

any wide-carriage dot matrix printer

Software

MANAGEMENT SS Lotus 123

Report Last Updated: 07/01/87 CPRBBS: EXAMPLE

Summary

MODW is a Lotus worksheet that allows the user to figure the MOD's for the projects within a section/branch/division and store for future reference. It computes the labor MOD for each project based on personnel, their salary, and the overhead factor

Input

The MODW database contains personnel names, yearly salary, overhead rate, and project number. Number of hours to be worked on each project is input.

Output

Total labor charges for each project and personnel is generated

Usage

Worksheet enables Section/Branch/Division Chief to coordinate manpower and funding resources and to easily determine funding requirements on a monthly basis.

Comments

Unprotected cells are highlighted

Marina Proforma Analysis	T 00045

Determine the likelihood that a proposed small business will be profitable. Includes loan amortization, cost and income projections, and sensitivity analysis. All are adjusted for the time value of money.

Point of Contact

Jim	Sherwood	CESWT-PL-E	918-581-7838	745-7838 fts

Computer Requirements

IBM 256K Bw

DOS HARD DISK RECOMMENDED

Any standard printer

Software

Economics SS BASIC, Lotus 123 release 2.0

USER MANUAL

Report Last Updated: 07/01/87 CPRBBS:

Summary

A BASIC program prepares a loan repayment schedule and passes the schedule to a Lotus 123 spreadsheet. The spreadsheet requires input of anticipated expenses and profits from the proposed small business. It also requires the entrepreneur to indicate how much income he or she could earn by being engaged in the most profitable alternative employment. The spreadsheet works out the actual return on investment relative to the most profitable alternative employment. All calculations are adjusted for the time value of money.

Input

Loan amount, repayment schedule, interest rate, anticipated expenses and income, maximum income available from alternative employment.

Output

Loan amortization schedule, yearly profit and loss statement for up to thirty years, sensitivity analysis, and comparison of projected income to possible income from alternate employment.

Usage

To help entrepreneurs, like marina operators, determine if a proposed business investment is likely to be worthwhile.

Comments

A good overall look at a proposed business investment. More sophisticated programs may evolve in the future.

Average Annual Equivalent	T 00046

Calculates the average annual equivalent amount for increasing annuities.

Point of Contact

Jim	Sherwood	CESWT-PL-E	918-581-7838	745-7838 fts

Computer Requirements

IBM / APPLE 64K BW

DOS

Any standard printer

Software

Economics BASIC

INSTRUCTIONS WITH APPLICATION

Report Last Updated: 07/01/87 CPRBBS:

Summary

Calculates and displays the average annual equivalent of increasing annuities.

Input

For Calculation: Interest rate, number of "paired" year and dollar amounts, calendar years, dollar amounts. For Printout: Price level, project name, comments, date

Output

Data points, data year, dollar amount, average annual equiv., price level, date, project name, comments

Usage

Within economics, it is used in affluence benefit calculations.

Comments

Won't handle decreasing annuities Easy to use.

Interest During Construction and Benefit-Cost Calculator (IDCBC)	T 00047

Calculated interest during construction based on uniform or nonuniform single or multiyear project expenditures for any of 12 pre-selected discount rates. An option incorporates these calculations into the benefit-cost analysis to produce the project benefit-cost ratio

Point of Contact

Robert	Westgale	CENCS-PD-ES	612-725-7578	725-7578 fts

Computer Requirements

IBM BW

IBM PC-DOS 2.x or higher

Any printer

Software

ECONOMICS SS Lotus 123 2.x or higher

MENU-DRIVEN APPLICATION

Report Last Updated: 07/01/87 CPRBBS:

Summary

IDCBC is a Lotus 123 (ver 2 or 2.01) menu-driven application that allows the project economist or manager to quickly determine interest during construction costs associated with a proposed project for incorporation into the benefit-cost analysis, producing a b-c ratio that reflects project IDC costs. Required inputs are the discount rate (12 are available ranging from 3-1/8 to 10 percent), number of construction periods (up to 4), and distribution of expenditures by period. An option which takes the results and produces a b-c ratio requires information on total first costs, project life (20, 50 or 100 years), average annual O&M costs, and average benefits A summary page of information is produced for each run.

Input

See above. NCSPD-ES will as a matter of course, update the data base if discount rate changes fall outside the range covered in the program. The latest version of the program can always be obtained from NCSPP-ES.

Output

A summary page of information is produced by the program for each run which is controlled by a command within the program. No option presently exists to store the information to a file.

Usage

Program used to quickly calculate interest during construction and incorporate the results into the benefit cost analysis to: 1) automate a recurring calculation request; 2) avoid lengthy manual calculations; and 3) expedite sensitivity analysis.

Comments

Must have copy of Lotus 1-2-3 version 2 or 2.01. Input restrictions on discount rate, number of construction periods and project life make the program rigid. However, users need little or no microcomputer experience.

Budget Update Spreadsheet	A 00048

To automate the process of budget updating.

Point of Contact

Jeff	McGrath	CENCS-PD-ES	725-7577 fts

Computer Requirements

IBM BW/COLOR

MS-DOS

Software

ECONOMICS SS Lotus 123

Report Last Updated: 07/01/87 CPRBBS:

Summary

Spreadsheet updates project budgets given revised cost, benefits, interest rates, price levels, etc. Spreadsheet is in a general format that would have to be customized to particular project budget.

Input

Standard budgetary data (first costs, benefits, etc.); update factors: interest rate related factors (i.e., equivalent growth factors); amortization factors, etc.

Output

Budget display in standard PB format along with backup computations showing derivation of budget numbers.

Usage

Used for updating budgets and B-C ratios.

Comments

Limitations may be related to the initial setup of the spreadsheet to fit specific project budget; also the manual reference of various factors required. Strength is that once set up, budget and B-C calculation can be done quickly and in a standardized manner.

DDS Data Preparation Program	T 00049

Assists preparation of economic data files as input to Depth Damage System (DDS) model. Menu-driven system includes data entry screens, data modification routines.

Point of Contact

Bruce	Carlson	CENCS-PD-ES	612-725-7079	fts

Computer Requirements

IBM — BW

MSDOS — HARD DISK RECOMMENDED

Software

ECONOMICS — DBMS — DBASE III

USER MANUAL

Report Last Updated: 07/01/87 — CPI.BBS:

Summary

- Entry and edit screens for residential, commercial ard public properties - Allows for data manipulation and transformation using dbase III commands

Input

Economic data for residential, commercial, and public structures: ID, ground and first floor elevations, number of stories, market value, structure type, rivermile, basement (also damage curve for commercial enterprises)

Output

Data files ready for mainframe DDS economics model.

Usage

Prepares data files for DDS economics model. Subfiles for special analyses, such as interior drainage analysis, can be created.

Comments

FAR superior data preparation compared to VOS and COEDIT on Harris. Allows for multiple field fills, mathematical applications, sorting, and limited range checks. Dramatic time savings due to reduction of repetitious data entry, improved accuracy, and fewer bugs that cause model to blow up! Input is tailored for DDS model only, but formats could serve as examples.

Suspense Log (LOG)	A 00050

To monitor the status of Planning Division suspenses by Branch

Point of Contact

Tom	Vogt	CESWE-PL-P	817-334-3876	334-3876 fts

Computer Requirements

IBM 256K BW/COLOR

DOS 2.X or higher HARD DISK RECOMMENDED

Any wide-carriage dot-matrix printer

Software

MANAGEMENT dBase III

NO DOCUMENTATION AVAILABLE

Report Last Updated: 07/01/87 CPRBBS:

Summary

LOG is used to monitor all suspenses coming into Planning Division. It identifies when they were received, from whom, their nature, whether they are routine and significant, when they are due to be completed, when they were completed, and the branch with the responsibility of responding. Various reports are available, both present status and historical.

Input

Menu-driven and all input is screen formatted.

Output

Various reports/menu driven

Usage

To monitor suspenses and to evaluate each branch's response.

Comments

This program was developed using dBase II and converted to dBase III, consequently its handling of dates could be improved upon with minor change to the program.

Residential Flood Damages	T 00051

Computes potential damages to residential structures.

Point of Contact

Craig	Newcomb	CENPW-PL-PF	509-522-6722	434-6722 fts

Computer Requirements

IBM 640k needed BW/COLOR

IBMPC DOS 3.2 HARD DISK RECOMMENDED

any printer

Software

ECONOMICS SS/DBMS Lotus 123 rel. 2

PRINTED DOCUMENTATION

Report Last Updated: 07/01/87 CPRBBS: EXAMPLE

Summary

This is a conversion of a Harris punch card entered program to Lotus 1-2-3. It computes damages for different residential structures. For each structure type, it calculates replacement cost for structures, and for contents and damages to structure and contents at a given flood level.

Input

Structure type, elevation, location

Output

Spreadsheet output that is then used to calculate average annual damages.

Usage

It is use for damages for various size projects that are possible solutions for flood problems.

Comments

Uses Lotus commands, easily changed to meet different situations. Reruns are easy, does small sections at a time. It uses lots of Memory, requires many small subfiles to store spreadsheets Its not fast but it better than using the Harris computer.

Obligations Expenditures	A 00052

To provide a schedule of obligations and expenditures for any FY.

Point of Contact

Steve	Sutterfield	CELMM-PD-F	901-521-3460	222-3460 fts

Computer Requirements

IBM 256K COLOR

MSDOS 2.X or higher HARD DISK RECOMMENDED

Any dot matrix-wide carriage

Software

MANAGEMENT SS SuperCalc 3 rel 2

NO DOCUMENTATION AVAILABLE

Report Last Updated: 07/01/87 CPRBBS: EXAMPLE

Summary

It keeps a running total of expenditures versus obligation for an FY. This data is useful for Form 26 and used in Program Review and Analysis.

Input

Scheduled obligations and expenditures by branch per study

Output

Percent of scheduled versus actual for obligations and expenditures

Usage

Needed for Program Review and Analysis and how to keep up with progress at a study.

Comments

Used in LMVD for MRC

PB-6 Study Cost Estimate	A 00053

To calculate study cost estimates in a form acceptable to the Division.

Point of Contact

Steve	Sutterfield	CELMM-PD-F	901-521-3460	222-3460 fts

Computer Requirements

IBM 256K COLOR

MS DOS 2.0 or higher HARD DISK RECOMMENDED

Any dot matrix printer-wide carriage

Software

MANAGEMENT SS Supercalc 3 rel 2

NO DOCUMENTATION AVAILABLE

Report Last Updated: 07/01/87 CPRBBS: EXAMPLE

Summary

It generates a study cost estimate including the reconnaissance and feasibility phase and indexes them according to a provided index factor. The form is being used currently and is acceptable to LMVD.

Input

Index factor, reconnaissance phase and Federal and non-Federal feasibility phase costs per subaccount.

Output

Currently indexed price level

Usage

To generate a current PB-6.

Comments

Time saved in generating form and making changes.

Telephone or Verbal Conversation Record - Key Procedures	A 00054

An electronic version of DA Form 751 for recording key telephone or verbal conversations.

Point of Contact

Billy R.	Dycus	CELMM-PD-F	901-521-3831	222-3831 fts

Computer Requirements

IBM 256K COLOR

MSDOS 3.0 or higher HARD DISK RECOMMENDED

Any dot-matrix printer

Software

MANAGEMENT WORD PROCESSING Multi-mate Advantage

INSTRUCTION FOR USING KEY PROCEDURES

Report Last Updated: 07/01/87 CPRBBS: EXAMPLE

Summary

Electronic version of Form DA 751 "Telephone or Verbal Conversation Record". Allows the use of word processing software to record important or key telephone or verbal conservation. Basically the computer displays the outline of Form DA 751 and prompts you for fill in the pertinent information.

Input

Persons called and calling, addresses, phone numbers and summary of conservation.

Output

A computer generated version of DA Form 751 that can be easily stored, altered or printed.

Usage

To record key or important telephone or verbal conservation.

Comments

Must have working knowledge of Multi-Mate Advantage.

Levee Calc	T 00055

To calculate levee earth volumes and right-of-way requirements

Point of Contact

Billy R.	Dycus	CELMM-PD-F	901-521-3831	222-3831 fts

Computer Requirements

IBM 256K COLOR

IBM PC DOS 2.0 or higher HARD DISK RECOMMENDED

Any dot-matrix printer

Software

GEOTECH/DESIGN SS Lotus 123

Report Last Updated: 07/01/87 CPRBBS:

Summary

Calculates volume of material required for construction of earth fill levees. The required temporary and permanent right-of-way requirements are also calculated in square feet or acres. Lotus 1-2-3 was used to develop the program.

Input

Elevation of natural ground and proposed levee at stations along the length of the levee. The river and land side slopes and crown widths are required inputs. The program uses the average end area method to compute earth quantities. Average widths of easements are also required.

Output

The volume of earth fill and rights-of-way for levee construction.

Usage

The program was used to develop first costs for a wide range of levee sizes and lengths in the plan formulation phase of a reconnaissance study.

Comments

Program is not menu-driven, but is relatively easy to understand.

FPMS applications [KCDTRIX]	A 00056

Entry of FPMS responses in dBase III Plus. Automatic compilation of data in Lotus. Output semi-annual TSIS Matrix.

Point of Contact

Nanci	Tester	CEMRK-PD-P	816-374-3575	758-3575 fts

Computer Requirements

IBM 256K BW

MSDOS HARD DISK RECOMMENDED

Printer Macro setup for Okidata wide carriage

Software

MANAGEMENT SS/DBMS dBase III, Lotus (version 2)

SEPARATE DOCUMENTATION FILE (IN WORDSTAR)

Report Last Updated: 07/01/87 CPRBBS: KCDTRIX EXAMPLE

Summary

Provides structure for FPMS response entry to dBase, instructions for manipulating data and translating into lotus. Separate Lotus file with macros to grab range-named blocks of data in Lotus file and summarize for auto fill in TSIS matrix.

Input

Templates provided

Output

dBase file for interior data query and searches; TSIS semi-annual report.

Usage

Floodplain Management System - tracking and semi-annual reporting.

Comments

Limitations: about 5 minutes input per response required - an hour worth of manipulation in Lotus required prior to generating TSIS. Strength: Extremely fast TSIS generation especially if IBM/AT compatible hardware (hard disk drive). Numbers are entered once. Equations are protected and accurate. The program is under revision to more fully automate the process, using Lotus Macro's.

Flood Damage Reduction Benefits	T 00057

This program computes the amount of damage with and without projects.

Point of Contact

Craig	Newcomb	CENPW-PL-PF	509-522-6722	434-6722 fts

Computer Requirements

IBM 256K BW

IBM-PC DOS 3.2 HARD DISK RECOMMENDED

Any Printer

Software

ECONOMICS SS Lotus 123 rel 2

NO DOCUMENTATION AVAILABLE

Report Last Updated: 07/01/87 CPRBBS: EXAMPLE

Summary

This program computes the amount of potential damages with a project and without a project, over a reach of river. It is used when we have to prepare annual reports for damages prevented by Corps Projects.

Input

Damage table must be set up so that the program has data for calculating damages prevented. After the table and spreadsheet are set up, all that is required is the actual CFS Flow for current period.

Output

Gives dollar amount for damages prevented by Corps levees, dams, and other projects, and any damages not prevented. Output can be written for different applications.

Usage

It is used to produce annual reports.

Comments

The program interpolates between a given range and can extrapolate beyond the range. This saves a lot of time for repetitive tasks. It uses Lotus 1-2-3 commands. It could be written as a Macro so it would be Menu driven.

PLRESUME (Planning Division Staff Resume Data Base)	A 00058

Maintain a data base of the education, experience, knowledge and skills of each individual professional and technical staff member in Portland District's Planning Division.

Point of Contact

Matthew T.	Rea	CENPP-PL-NR	503-221-6094	423-6094 fts

Computer Requirements

IBM 256K BW/COLOR

IBM PCDOS 3.10 HARD DISK RECOMMENDED

ANY LASER JET PRINTER

Software

MANAGEMENT DBMS dBase III Plus

USER MANUAL TO BE COMPLETED 6/1/87

Report Last Updated: 07/01/87 CPRBBS:

Summary

PLRESUME is a dBase III + data base which contains an individual resume or fact sheet for each professional and technical staff member of Portland District's Planning Division. Each record contains 85 fields with information about a given staff members' office position, education, professional registrations, and project experience, with space for listing up to 15 work experience categories from the Corps' ACASS listing, as well as a memo field in which individuals can describe their KSA's in their own narrative. A number of dBase III + programs allow the user to search the data base on any of the fields, e.g. to find staff members with specific work experience or who have worked on a specific project..

Input

Initially entered from questionnaire information provided by PD staff.. A copy of the questionnaire and instructions out can be provided on Wordmarc files. Every record in the data base should be updated at least yearly, and records are added/deleted when personnel change.

Output

Reports in the format of a resume, printed or displayed. The hard copy resume report is of good enough quality to be provided to other entities desiring information about the capability and expertise of Planning Division staff.

Usage

Used in marketing NPPPL capabilities to potential customers for our services, and for negotiating with them for specific projects; can also be used by study managers to develop interdisciplinary study teams that meet study requirements; by supervisors to help maintain a staff with the desired combinations of expertise; and by individuals to maintain a resume.

Comments

At present the Portland District data base contains only information on Planning Division staff. To be most effective it should also include data on the staff of the Engineering Division and other technical divisions in the District.

BOGUS	A 00059

Assist in monitoring SPD feasibility study program

Point of Contact

John	Bogue	CESPD-PD-P	415-556-7342	556-7342 fts

Computer Requirements

IBM 640k (symphony) COLOR

PC-DOS 2.x or higher HARD DISK RECOMMENDED

any wide-carriage dot matrix printer

Software

MANAGEMENT SS Lotus 123 or Symphony

NO DOCUMENTATION-EASY TO HANDLE WITHOUT SPECIAL INS

Report Last Updated: 07/01/87 CPRBBS:

Summary

Provides a summary overview of current SPD Study Program for its 3 Districts. Good for monitoring status of overall program.

Input

Study costs, budgetary history, projected budget, PB-6 data, study schedules

Output

Spreadsheet can be easily adjusted to print desired output

Usage

Used to monitor the status of studies - budgetary, present and future due dates, federal/non-federal costs, and PB-6 approvals

Comments

While the report gives 'current' status, old information is not readily available, i.e. prior schedules, prior dates, budget changes. Strength is that it is comprehensive, and easy to keep up to date.

Emergency Water Planning State Water Use Inventory	T 00060

To inventory water use nationwide on a state-by-state basis

Point of Contact

Walter	Deane	CEMDR-PD-E	402-221-7278	864-7278 fts

Computer Requirements

IBM 256k BW/COLOR

MS-DOS 2.x or higher HARD DISK RECOMMENDED

any wide carriage printer

Software

DBMS dBase III plus

PRINTED USER MANUAL

Report Last Updated: 07/01/87 CPRBBS:

Summary

Menu-driven application for data management. Used specifically for the management of water use data on a state by state basis. 14 major file types: water purveyors, water support resources, supplied defense, waste water support resources, supplied industrial, self-supplied defense, self-supplied industrial, agricultural purveyors, self-supplied rural domestic, self-supplied agricultural, water agreements, alternative water sources, major suppliers & manufacturers, emergency water plans

Input

specific data on water users and waste water processors: id, location, volume of water use, water source, service area water demands, population level, emergency POC, chemical and energy consumption, water rights and agreements, water support resource needs, and more.

Output

report and query programs have not yet been developed

Usage

designed to be used in a catastrophic natural disaster or times of war or National Emergency. In peacetime could be used by states to keep track of water use in the state.

Comments

Strengths: menu driven - about anyone could use it to find a specific record. Limitations: designed specifically for the management of water use data, not suitable for any other use.

Economic Fact Sheet (Summary of Economic Data)	T 00061

To automate the preparation, modification, and revision of average annual costs and benefits used in the justification of Civil Works projects.

Point of Contact

David	Gjesdahl.	CEMRD-PD-E	402-221-7277	864-7277 fts

Computer Requirements

IBM 256k BW/COLOR

MS-DOS 2.x or higher HARD DISK RECOMMENDED

any printer

Software

PROGRAM MANAGEMENT SS SMART or Multiplan or Lotus

USER MANUAL PRINTED + Separate Documentation File

Report Last Updated: 07/01/87 CPRBBS:

Summary

This program enables the user to create, modify, and/or revise a summary of average annual costs and benefits known as an Economic Fact Sheet (EFS) for Civil Works projects. The Benefit to Cost ratio and its incremental parts are presented for the latest estimate submitted to Congress and the current estimate at the authorized and current interest rates. An EFS is submitted with the Project Cost Estimate (PB-3) for each authorized project. The information is an integral part of the budget data and is referenced in testimony presented to Congress.

Input

Increments of individual economic costs are required, including federal and non-Federal costs; costs excluded from analysis (S.S.D. Housing, road betterment, cultural resources); interest during construction; average annual economic benefits and costs by category;

Output

Economic costs and total annual benefits are totalled. The project life and various interest rates (authorized and current) are used to calculate the average annual interest and amortization, which are added to the other average annual costs to provide total annual costs. The B-C ratio is calculated for the latest and current estimates.

Usage

The Economic Fact Sheet is used in the determination of economic justification and preparation of budget requests prepared for the Congress.

Comments

Automation of the preparation of the Economic Fact Sheet eliminates possible errors in calculation. A considerable amount of time and materials can be saved in the preparation, revision, checking, transmission, and approval of the EFS.

Corps of Engineers Project Cost Estimate (PB-3)	A 00062

To automate the preparation, modification and revision of Civil Works' Project Cost Estimates, PB-3 (ENG FORM 2202, 1 Nov 74, ER 11-2-240)

Point of Contact

David	Gjesdahl.	CEMRD-PD-E	402-221-7277	864-7277 fts

Computer Requirements

IBM 256k BW/COLOR

MS-DOS 2.X or higher HARD DISK RECOMMENDED

any wide-carriage printer

Software

MANAGEMENT SS SMART or Multiplan or Lotus

USER MANUAL PRINTED + Separate Documentation File

Report Last Updated: 07/01/87 CPRBBS:

Summary

Enables user to create, modify, and/or revise Project Cost Estimates (PB-3); provides basic cost information of budget requests prepared for the Congress and determination of economic justification. Upon notification of Congressional authorization of a project or modification, the District Engineer will prepare a PB-3 and submit it to the Division Engineer. For each uncompleted specifically authorized project in the 'active' category the PB-3 is revised annually (frequently several times each year) to reflect changes. The use of compressed print on a microcomputer printer allows for 35 lines per page on letter-sized paper. Use of a modem will greatly expedite review time.

Input

Increments of previous cost estimates; Percent committed of the cost element where less than 100%. Add a column to the form to the right of the Justification of Revision (j) column to insert price level adjustment for construction work or hired labor, to calculate Amount of Change, Price Level.

Output

Total Amount of Change (f), which when added to the Previous Cost Estimate (e) provides the Current Cost Estimate (d). Subtotals are added to Cost Account Numbers and grand totals are obtained. When annual revisions are made the Current Cost Estimate is changed to the Previous Cost Estimate, line items are added or eliminated, and a new estimate results..

Usage

The Project Cost Estimates are used in the determination of economic justification and preparation of budget requests prepared for the Congress.

Comments

Automation of the preparation of PB-3's eliminates possible errors that are presently made by hand insertions and/or corrections. The rounding of line items is bypassed, reducing the possible exaggeration of base costs for annual revisions. A considerable amount of time and materials can be saved in preparation, revision, checking, transmission, and approval of PB-3's.

???????	A 00063

File inventory Production reports to facilitate data retrieval

Point of Contact

Bobbie J.	Hall	CELMK-PD-W	601-634-5471	542-5471 fts

Computer Requirements

IBM

BW

HARD DISK RECOMMENDED

impact, preferably wide-track

modem

Software

Management

WP/DBMS/Comm.

Enable-Multimate-NBI-Procomm-Micromail

separate printed documentation

Report Last Updated: 07/01/87

CPRBBS:

Summary

Input

Output

Usage

Comments

SC3	T 00064

Point of Contact

Marvin	Cannon	CELMK-PD-Q	601-634-5437	542-5437 fts

Computer Requirements

IBM — BW/Graphics

MSDOS — HARD DISK REQUIRED

Epson FX-100

Software

Environment — SS — SC3

NO DOCUMENTATION

Report Last Updated: 07/01/87 — CPRBBS:

Summary

Spreadsheets are used to develop programs for performing fish and wildlife evaluations. We utilize one interactive program to perform some wildlife related computations.

Input

Acreage data by flood frequency, flood frequency target years. Nonmonetary habitat units, man-day per acre, monetary values.

Output

Average annual seasonal acres flooded, nonmonetary habitat unit values, monetary impacts, impacts in terms of man-days.

Usage

Used to evaluate the impacts to fish and wildlife resources.

Comments

Rapid method of arriving at values. Limited somewhat by the computer itself. Some desirable calculations cannot be made.

DBASE III for Cultural Resources	T 00065

Build a computerized filing and retrieval system for cultural resources

Point of Contact

Tom	Birchett	CELMK-PD-Q	601-634-5968	542-5968 fts

Computer Requirements

IBM 128k BW

MS DOS HARD DISK REQUIRED

Epson FX 100

Software

Cultural Resources DBMS dBase II

NO DOCUMENTATION AVAILABLE

Report Last Updated: 07/01/87 CPRBBS:

Summary

Organizes archaeological site files into a data base management system

Input

Keyboard

Output

Individual records can be accessed as well as listings of each field. Listings can be made when expressions are true for common fields.

Usage

Site card data are stored for easy access to site information.

Comments

Limited to amount of information stored per record - 1000 characters per record. Strengths are use of relational aspects of dBase to find true or false expressions.

Form 26 - Spreadsheet (Supercalc)	A 00066

Tabulation of monthly expenditures by workcodes for a project.

Point of Contact

Mark	Mazzanti	CELMK-PD-FO	634-5449	542-5449 fts

Computer Requirements

IBM	340K	BW/COLGRAPHIC	
MSDOS		HARD DISK REQUIRED	
Epson FX-80			

Software

MANAGEMENT	SS	SuperCalc-3
NO DOCUMENTATION AVAILABLE		
Report Last Updated: 07/01/87	CPRBBS:	EXAMPLE

Summary

Program will tabulate monthly and year to date expenditures by workcode (i.e. account number) for a particular project. Included as features are the original estimated amounts for obligations and expenditures as well as any currently or revised estimates. Also, the percentage for completion to date is calculated based on actual expenditure to estimated expenditure. Totals are tabulated both by month and year to date (i.e. cumulative). Rollups for different subprojects can be accomplished by the consolidation features of SuperCalc.

Input

Monthly expenditures (i.e. actual charges) must be input by workcode.

Output

Printouts are available (hardcopy) of this program - display screen

Usage

Used to monitor expenditures for a particular subproject or project. Also to allow study manager to keep track of obligations for the current year.

Comments

Limitations - very labor intensive for inputting monthly actual expenditures.

Form 26	A 00067

Track monthly scheduled and actual costs by office and contract for a study/project

Point of Contact

Richard	Astrack	CELMS-PD-U	314-263-5600	273-5600 fts

Computer Requirements

IBM 256K BW/COLGRAPHIC

DOS/MS DOS 2.0 or higher HARD DISK RECOMMENDED

Dot Matrix or HP Jet

Software

MANAGEMENT SS SuperCalc 4

USER MANUAL

Report Last Updated: 07/01/87 CPRBBS: EXAMPLE

Summary

Standard format to report scheduled obligations/expenditures and then track actuals.

Input

Schedules obligations/expenditures

Output

Standard report displaying scheduled and actual study/project cost data.

Usage

Managing study/project costs

Comments

Standard format - all roll ups.

Project Execution Tracking System (PETS)	A 00068

PETS integrates project scheduling, resource scheduling and the comparison with actual performance. The system is designed as a planning tool for project managers and functional chiefs within the San Francisco District. PETS is not meant to be used directly as an upward reporting tool.

Point of Contact

Robin	Mooney	CESPN-PE-C	415-974-0392	454-0392 fts

Computer Requirements

IBM

HARD DISK REQUIRED

Software

MANAGEMENT — SS/DBMS/PROJ MGMT Harvard Total Proj. Mgr/Lotus 123/dBase

PRINTED DOCUMENTATION/USER MANUAL

Report Last Updated: 07/01/87 — CPRBBS: EXAMPLE

Summary

In the PETS system, the project manager schedules tasks and allocates money to the functional organizations using the Harvard Total Project Manager (HTPM) scheduling program. The PETS system is unique in that the Branch Chiefs are then responsible for distributing the allocation on a monthly basis for those tasks assigned their organizations, using Lotus 1-2-3. The data entered by the project manager and the Branch Chief are maintained in a dBase III database. To this database, actual values are downloaded from COEMIS. Reports are then produced. The system is coordinated and operated by the Resource Management Office (RMO).

Input

Project manager enters information into HTPM on projects and tasks, including planned project start; task description, duration, ADP work code,responsibility, and planned cost. Branch chiefs do load leveling on information. COEMIS downloads.

Output

Project Manager: detailed project report showing obligations and expenditures by task; milestone schedule; exception report showing COEMIS transactions not in PETS database.Branch Chief: detailed organization report (expenditures by month by task)

Usage

study managers monitor scheduling of projects and resources; performance measurement of scheduled vs. actual; Branch Chief performs load leveling within Branch; basis for upward reporting efforts by RMO

Comments

System is result of a May 1984 study recommending an integrated project management information system. There are planned enhancements, including a local area network, simplification of input, and development of information for out-year planning and the automated preparation of budget documents.

Framework II-Harris Sys.-Arch. Program: FII-AMASDA	T 00069

To keep in-house records of archeological sites and their location in the Harris system, Arch program. Through Framework II to access the A.M.A.S.D.A. system of the Archeological Survey

Point of Contact

Bob	Dunn	CESWL-PL-A	501-378-5030	740-5030 fts

Computer Requirements

IBM	512K	COLOR/GRAPHICS	
PC DOS		HARD DISK REQUIRED	
NEC P-7 two printers			

Software

ENVIRONMENT	WP/Communications	Framework II
USER MANUAL		
Report Last Updated: 07/01/87	CPRBBS:	Example

Summary

We use the Harris mainframe for our own data base of archaeological sites. We have over 2200 sites in this database, which covers Corps fee lands and Corps easement lands within Little Rock District. AMASDA (Automated Management of Archaeological Site Data in Arkansas) is the Arkansas Archaeological Survey's database in Fayetteville, Arkansas. It holds all of the sites information in the state site files. We access their system to check for sites in permit and real estate matters, as well as in planning studies. The Survey's site file is the most complete collection of site information in Arkansas. Our on-line connection to AMASDA is a boon to cultural resources management for the entire District. Planning Division provides cultural resource information to regulatory and operation elements within the District.

Input

Archaeological programs require locations input in legal coordinates or UTM's when a site search is conducted.

Output

The output is site information, including location.

Usage

A planning project is checked through Harris and AMASDA for archaeological sites. A literature search and citation search is available through AMASDA. Information obtained is used to develop further archaeological or historical investigations to comply with Federal laws on historic preservation.

Comments

AMASDA is not always available because of computer problems, phone line problems, connection problems, electrical storms, and other problems. However, the Arkansas Survey's staff is helpful and fairly quick to respond to problems. Their good service is contrasted by the relative poor service we receive from Missouri agencies. The state of Missouri has a computerized database for site information at the Missouri Archeological Society (U. of Missouri - Columbia). We do not have on-line access to this database at this time. The contrast in efficiency between traditional site information requests by telephone or letter and computer searches is striking.

Statistical Package for Social Sciences Biological Statistics	T 00070

To perform statistical analysis of project studies. Biological data is supported by statistical package.

Point of Contact

Russ	Bellmer	CENED-PL-I	617-647-8142	839-7142 fts

Computer Requirements

IBM 640K BW/COL/GRAPHIC

IBM PC-DOS 2.X HARD DISK RECOMMENDED

Any dot matrix printer

Math Co-Processing Chip

Software

ECON/ENVIRONMENT STATISTICS SPSS

USER MANUAL

Report Last Updated: 07/01/87 CPRBBS:

Summary

The SPSS package is a statistical package which our office uses for analyzing biological data collected on site surveys. This data is processed for cluster analyses, histograms, scattergrams, multi-linear regressions, and other basic statistical analyses.

Input

Biological data obtained in site surveys.

Output

See summary

Usage

To provide input into environment assessments. Technical support of the report is gained through statistical analyses.

Comments

Supports importance of data. SPSS is a difficult package to use - not menu driven.

Lotus Tracking Worksheets	A 00071

Various worksheets have been developed to keep tracking of project schedules, due dates and money spent, as well as project budgets.

Point of Contact

Betty	Parfenuk	CENED-PL-I	617-647-8536	839-7536 fts

Computer Requirements

IBM 256K BW/COLOR

any DOS HARD DISK RECOMMENDED

Dot matrix printer

Software

MANAGEMENT SS Lotus

None

Report Last Updated: 07/01/87 CPRBBS:

Summary

Worksheets have been developed to track projects by individual assigned in terms of funding, schedule, and issues. FERC's are also kept track of by use of a spreadsheet - project name, location, river, and items of concern are recorded.

Input

As needed to update

Output

Reports on project status

Usage

To keep track of numerous assignments

Comments

Easy to maintain and set up. Sort function allows review by field type.

Non-Structural Analysis	T 00072

To perform an initial appraisal analysis that would determine the costs to flood proof non-residential structures for various alternative plans. Based on FEMA 102/booklet, MAY 1986

Point of Contact

Michael	Ethier	CENED-PL-PF	617-647-8557	839-7557 fts

Computer Requirements

IBM or Macintosh 11k plus program BW

MS-DOS or Macintosh 3.0 HARD DISK RECOMMENDED

Software

ECONOMICS Spreadsheet Jazz Version 1 or Lotus 123 Ver 2

Self-explanatory (short write-up being prepared)

Report Last Updated: 07/01/87 CPRBBS:

Summary

For initial analysis of non-structural measures for commercial structures, spreadsheet will give costs for various alternatives. These include ring walls and levees, raising existing structure in place, floodproofing opening, by shields. Information for spreadsheet was based on "Floodproofing Non-Residential Structures", FEMA 102, May 1986

Input

Height and length of protection or size opening, drainage area encircled by levee, and slope or top width of levee

Output

Costs and quantities of various non-structural alternatives

Usage

Evaluate costs of providing non-structural measures for non-residential structures in the early planning stages to determine whether alternative warrants further study.

Comments

Strength - perform analysis with very little input. Update costs by changing ENR Index. Limitations - for preliminary planning only.

Economics Magic	T 00073

To perform the routine economist's calculations in converting the stage-frequency curve and stage damage curve to an annual damage

Point of Contact

Michael	Ethier	CENED-PL-PF	617-647-8557	839-7557 fts

Computer Requirements

IBM or Macintosh 92k plus program BW

MS-DOS or Macintosh 3.0 HARD DISK RECOMMENDED

Software

ECONOMICS Spreadsheet Jazz Version 1 or Lotus 123 Ver 2

Self-explanatory (short write-up being prepared)

Report Last Updated: 07/01/87 CPRBBS:

Summary

Converts stage-damage and stage-frequency data to an annual damage

Input

1) stage-damage information for each structure 2) stage-frequency hydraulic curve

Output

Damage-frequency table and annual damage

Usage

Determine benefits for project feasibility

Comments

Strengths - computer performs calculations previously performed by hand

Correspondence Management System	A 00074

Tracks correspondence through an office, using dBase III

Point of Contact

Robert E.	Jolissaint	CELMN-ED-SE	504-862-2961	fts

Computer Requirements

IBM 256K BW/COLOR

PC-DOS 2.X HARD DISK REQUIRED

dot matrix printer

Software

MANAGEMENT DBMS dBase III

USER MANUAL

Report Last Updated: 07/01/87 CPRBBS: EXAMPLES

Summary

Tracks correspondence through the branches of USACE. It can track letters, disposition forms, permits, and suggestions. The program is menu driven. The Correspondence Management System will NOT work under dBase III Plus.

Input

Information on date received, date on letter, who originated, subject, suspense date, date sent, and remarks

Output

printouts and displays according to various sort criteria (e.g. suspense date, etc.)_

Usage

Used to keep track of pending correspondence

Comments

Section 14 Alternatives	T 00075

To perform an initial appraisal analysis that would determine the costs to construct various emergency streambank protection measures

Point of Contact

Michael	Ethier	CENED-PL-PF	617-647-8557	839-7557 fts

Computer Requirements

IBM or Macintosh 8k plus program BW

Macintosh 3.0 or IBM MS DOS

Software

Spreadsheet Economics Jazz 1a (Macintosh) or Lotus v.2 (IBM)

self-explanatory - short write-up being prepared

Report Last Updated: 07/01/87 CPRBBS:

Summary

For initial appraisal of potential emergency streambank projects, program will estimate quantities and costs of various alternatives. Alternatives include: a) stone slope protection, b) precast concrete wall, and 3) sheet pile wall

Input

Existing slope, height of slope, height of protection, thickness of protection, length of slope, depth of water

Output

Costs of three emergency streambank protection plans

Usage

To obtain initial estimate of project costs, perform sensitivity analysis to see how costs would change if parameters are varied

Comments

Strengths - gives a good quick look at project feasibility without detailed survey or analysis. Unit costs can be easily changed to meet economic conditions of areaLimitations - not all alternatives are considered. Detailed surveys and design are required for final plan

ECON	T 00076

To determine present worth and average annual equivalents for various economic growth scenario (or pattern of investment)

Point of Contact

John W. LaFon CEORN-ED-P 615-736-7828 852-7828 fts

Computer Requirements

IBM BW

PC DOS 3.X or higher

any IBM compatible printer

Software

ECONOMICS BASIC PROGRAM Basic Version 3

Report Last Updated: 07/01/87 CPRBBS:

Summary

ECON is a menu driven program written in BASIC that calculates present worth and average annual equivalents for: 1) single present payment; 2) single future payment; 3) uniform series; 4) uniform gradient series; and 5) a compound growth series. These amounts are totalled for all events required to describe the economic growth pattern.

Input

Inputs are interest rates, period of analysis, dollar amounts, incremental growth amounts, compound growth factors and periods of occurrence of these events.

Output

Present worth and average annual equivalent reports for each specified event and a total for all events.

Usage

To analyze costs and benefits on a compatible basis

Comments

BASIC is required. The user friendly menu can be readily used by someone with few microcomputer skills. The program provides for only the most common growth patterns.

LABOR	A 00077

To forecast monthly obligations by cost code

Point of Contact

John W.	LaFon	CEORN-ED-P	615-736-7828	852-7828 fts

Computer Requirements

IBM BW

PC DOS 3.X or higher

any IBM compatible printer

Software

MANAGEMENT SPREADSHEET ENABLE

No documentation

Report Last Updated: 07/01/87 CPRBBS:

Summary

LABOR is written in ENABLE's spreadsheet format and is used to estimate appropriate inhouse labor charges for the upcoming month. The matrix is cost codes and employee names with the number of days each employee will work on a specific costcode being the input. Employee salaries and overhead rates are referenced on the spreadsheet which calculates total charges by costcode and specified groups of cost codes. Days of training and leave are also entered. The number of days entered for each employee is continually updated to insure that all days in the specified period are entered. Revisions are easily made as priorities shift throughout the report period. All 'cells' are protected except those requiring user input.

Input

The total number of work days in the accounting period and the number of days each employee works on a specified cost code is entered.

Output

A report of estimated charges by costcode for the upcoming labor cycle.

Usage

LABOR is used to estimate appropriate charges for inhouse labor.

Comments

LABOR requires ENABLE software package but could easily be converted to Lotus 1-2-3.

TASKS	A 00078

To provide an abbreviated record of section workload that denotes the day a task was assigned, when it is due, who has prime responsibility, and the number of days remaining between the current date and the due date.

Point of Contact

John W.	LaFon	CEORN-ED-P	615-736-7828	852-7828 fts

Computer Requirements

IBM BW

IBM PC DOS 3.x or higher

any IBM compatible printer

Software

MANAGEMENT DBMS ENABLE

No documentation available

Report Last Updated: 07/01/87 CPRBBS:

Summary

TASKS produces a report by individual of the work assigned, date in, due date, actual date out, and days remaining from the current date for uncompleted work. TASKS is written in ENABLE's DBMS Report Language. A separate database management file is maintained for completed 'historic' tasks and for uncompleted 'current' tasks.

Input

Records are added to database as incoming tasks are received.

Output

Two separate reports: one report displays current work, and the other displays completed work.

Usage

TASK is used to manage fairly specific work assignments. It provides a concise record of work performed and is a handy reference for appraisals and evaluations of staff/section performance.

Comments

TASK requires installation of ENABLE and it can be used fairly readily by someone with little experience in microcomputers. TASK is a step down from specific 'project management' software programs but can be used where limited financial resources are available to purchase specific software programs.

Evacuation Cost Program - EVACC	T 00079

To determine cost of permanent evacuation of residential and nonresidential structures.

Point of Contact

John W.	LaFon	CEORN-ED-P	615-736-7828	852-7828 fts

Computer Requirements

IBM BW

IBM PC DOS 3.x or higher

any IBM compatible printer

Software

MANAGEMENT DBMS ENABLE

No documentation available

Report Last Updated: 07/01/87 CPRBBS:

Summary

EVACC produces a report of the cost to evacuate structures and is written in ENABLE's DBMS report language. A separate data file containing records for each study area is built in the data base management system. Each record contains information concerning structure type, structure value, land value. number of businesses, number of residential units, whether it is occupied of not, and owner's willingness to participate. The primary use of this program is to determine cost of evacuation of structures in the Upper Cumberland River Basin of Southeastern Kentucky (sec 202).

Input

EVACC requires a database be built that contains the basic fields listed in the above summary. Users would need to verify internal variables including costs of various actions and percentages used for contingencies and supervision and administration.

Output

EVACC produces a report by structure ID number of the evacuation cost for the selected set of records. Logical operators can be used to produce a report by specific categories or conditions.

Usage

EVACC is used to readily provide planning level estimates of the cost to evacuate structures.

Comments

EVACC requires the user to have a copy of ENABLE. It can be used by someone with little experience on microcomputers and can be easily rewritten to another software format. Primary field data is essential and the user needs to verify internal variables.

TRANSLATE file translator system	00080

Miscellaneous utilities written in Turbo Pascal to translate Wordstar files to ASCII, ASCII to Wordstar, and perform various manipulations on text files

Point of Contact

Curt	Falconer	CENPD-EN	fts

Computer Requirements

IBM

Software

PRODUCTIVITY	wp utilities	originally written in Turbo Pascal

user manual

Report Last Updated: 07/01/87 CPRBBS:

Summary

TRANSLATE is a system to translate Wordstar format files to ASCII, ASCII to Wordstar, and upper to lower case and lower to upper case. An individual using Wordstar can now easily rework a document created with Sidekick, and vice-versa. An all-caps CIS or other mainframe message can be converted to lower case (the system leaves first person 'I' and the first letter of a sentence capitalized).

Input

files to be converted

Output

converted files

Usage

Comments

SUPPLEMENTARY INFORMATION ON EXAMPLES

OUYVEJGNCK
O&M- 5

MS R REVEG 33.3

FY 1987

ALLOCATION	$66.4
SPONSOR SHARE	$0.0
OBLIGATED CARRYIN	$0.0
UNOBLIGATED CARRYIN	$0.0
TRANSFERS	$0.0
OBLIGATED CARRYOUT	$15.0
UNOBLIGATED CARRYOUT	$0.0

ORG	1Q	2Q	3Q	4Q
PD-E	$2.7	$8.0	$13.0	$16.4
PD-R	$0.0	$2.0	$3.0	$4.0
OTHER	$0.0	$5.0	$6.0	$6.0
25440TH	$0.0	$0.0	$5.0	$10.0
CONTR	$0.0	$0.0	$5.0	$15.0
TOTAL EXP	$2.7	$15.0	$32.0	$51.4

OBLIGATION DATA

MS R REVEG 33.3

FY 1987

ORG	1Q	2Q	3Q	4Q
25440TH	$0.0	$20.0	$20.0	$20.0
CONTR	$0.0	$20.0	$20.0	$20.0
SUB-TOTAL	$0.0	$40.0	$40.0	$40.0
LABOR	$2.7	$15.0	$22.0	$26.4
TOTAL OBL	$2.7	$55.0	$62.0	$66.4

PROGRAM SCHEDULE - DA2101 FOR FY 1987 — 13 APRIL 87

PROJECT/ST		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MS R REVEG 33.3	OBL	0.9	1.8	2.7	20.0	37.7	55.0	57.3	59.7	62.0	63.5	64.9	66.4
DUYVEJONCK	EXP	0.9	1.8	2.7	6.8	10.9	15.0	20.6	26.4	32.0	38.4	45.0	51.4

PROJECT/STUDY	OBLIGATED CARRYOUT	UNOBLIGATED CARRYOUT
GENERAL INVESTIGATION		
WH HOWARD CRK-LOVES PARK AF301		$25.0
WEST DM-DES MOINES GRR		$50.0
SUB-TOTAL	$0.0	$75.0
CONSTRUCTION GENERAL		
DM REC RVR GRNBELT BE340	$23.0	
SUB-TOTAL	$23.0	$0.0
CONSTRUCTION GENERAL CONTINUING AUTHORITIES		
CEDAR FALLS IA (R)		$18.0
TAMA IA (205) DPR BE313		$18.0
CHANDLERVILLE IL (R) BE306		$2.0
DEKALB CO IL (R)		$20.0
E PEORIA IL (205) DPR		$20.0
CLIVE IA 205 (R)		$11.0
SUB-TOTAL	$0.0	$89.0
OPERATIONS & MAINTENANCE		
MS R 05.4 CULT RES	$37.0	
MS R REVEG 33.3	$15.0	
MS R 05.100P NAT RES	$4.0	
IL W 05.4 CULT RES	$3.0	
CORALVILLE 05.4 CULT RES	$20.0	
RED ROCK CULT RES 05.4	$9.0	
RED ROCK POOL RAISE	$55.0	
REHAB NEPA DOC-MS RVR	$30.0	
REHAB NEPA DOC-IL W	$10.0	
SUB-TOTAL	$183.0	$0.0
WORK FOR OTHERS		
LOUISA CO IA BZ838 FIS		$2.0
SUB-TOTAL	$0.0	$2.0
TOTALS	$206.0	$166.0

	(CUMULATIVE $1000) 1ST QTR	2ND QTR	3RD QTR	4TH QTR
GENERAL INVESTIGATION				
PLAN ASSIST IA AAHFA	$0.0	$0.0	$12.0	$24.0
TOTALS	$0.0	$0.0	$12.0	$24.0
CONSTRUCTION GENERAL				
DM REC RVR GRNBELT BE340	$8.0	$15.0	$30.0	$68.0
TOTALS	$8.0	$15.0	$30.0	$68.0
CONSTRUCTION GENERAL CONTINUING AUTHORITIES				
RACCOON RVR IA (D) BE316	$0.0	$10.0	$10.0	$10.0
LIVERPOOL IL (D) BE307	$0.0	$21.6	$30.0	$30.0
TOTALS	$0.0	$31.6	$40.0	$40.0
OPERATIONS & MAINTENANCE				
MS R 07.13 DR MAT SITE PLN	$0.0	$0.0	$2.5	$2.5
MS R 05.4 CULT RES	$0.0	$1.8	$50.0	$111.0
MS R REVEG 33.3	$0.0	$0.0	$5.0	$15.0
MS R 05.100P NAT RES	$0.0	$0.0	$5.0	$11.0
MS R 06.4 M.P.	$0.0	$2.5	$2.5	$5.0
IL W 07.13 DR MAT SITE PLN	$0.0	$0.0	$2.5	$2.5
IL W 05.4 CULT RES	$0.0	$0.0	$3.0	$6.0
[illegible]LVILLE 05.4 CULT RES	$0.0	$0.0	$5.0	$15.0
[illegible] 20 MAJOR REHAB	$0.0	$0.0	$0.0	$10.0
RED ROCK CULT RES 05.4	$0.0	$0.0	$0.0	$26.0
RED ROCK POOL RAISE	$0.0	$5.0	$50.0	$165.0
TOTALS	$0.0	$9.3	$125.5	$369.0
WORK FOR OTHERS				
TOTALS	$0.0	$0.0	$0.0	$0.0
GRAND TOTALS	$8.0	$55.9	$207.5	$501.0

ALLOCATION REPORT
FY 1

APP	ALLOC	SPONSOR	CARRYIN	TRANS	TOTAL	CARRYOUT	PD	ED	OTHER	PO	2544'S	LTR ORD	CONT	TOTAL EXP
GI	494.0	0.0	254.5	0.0	748.5	75.0	530.9	90.7	6.9	13.5	7.5	0.0	24.0	673.5
CG	1656.0	0.0	80.5	0.0	1736.5	23.0	458.0	173.5	7.0	25.0	478.0	504.0	68.0	1713.5
CG(CA)	641.0	80.0	157.0	0.0	878.0	89.0	448.8	263.8	7.1	4.5	27.0	0.0	40.0	789.0
O&M	2018.9	0.0	0.0	0.0	2018.9	183.0	1248.2	55.9	68.5	1.0	76.3	19.0	369.0	1835.9
W/O	111.9	0.0	42.1	0.0	154.0	2.0	93.7	57.7	0.8	0.0	0.0	0.0	0.0	152.0
TOTALS	$4921.8	$80.0	$534.1	$0.0	$5535.9	$372.0	$2775.4	$841.8	$90.1	$44.0	$588.8	$523.0	$501.0	$5163.9

FY 1987

MANAGER	PROJECT	ALLOCATION	CARRYIN	CARRYOUT	TOTAL DOLLARS MANAGED
WATSON	CEDAR FALLS IA (R)	$50.0	$0.0	$18.0	$32.0
	PLAINFIELD IA (D) BE330	$20.0	$0.6	$0.0	$20.6
	CLIVE IA 205 (R)	$50.0	$0.0	$11.0	$39.0
		$120.0	$0.6	$29.0	$91.6

1 APRIL 1987 CONTINUING AUTHORITIES PROGRAM - CURRENT 14 AND 208 PROJECTS

AUTHORITY	PROJECT MANAGER	REPORT NAME (CO., CITY, TOWN-(BR.#, HWY., ST.)-(BODY OF WATER)	LOCATION					INITIA REQUES
			STATE	CONG. DIST.	COUNTY	TOWNSHIP	SEC.-THP.-RANGE	
208	J. ROSS	R.I. CO. - L. EDWARDS RVR MUT LADD - LOWER EDW RVR	IL	17	ROCK ISLAND			07-20-8
208	ROSS\BALES	MORRISON IL - ROCK CREEK	IL	16	WHITESIDE	UNION GROVE		01-21-8
14	J. ROSS	WAPELLO IA - IOWA RIVER	IA	01	LOUISA	WAPELLO	07-74N-03W	06-10-8
14	T. BALES	ROCK IS CO IL - 320TH ST N - ROCK RIVER	IL	17	ROCK ISLAND	CANOE CREEK	05-18N-03W	06-12-8
14	J. ROSS	BOONE CO IA - CO RD - DES MOINES RIVER	IA	04	BOONE	PILOT MOUND	86-85N-27W	08-28-8
14	T. BALES	ADAIR CO IA - CO RD P-48 BRIDGE - MIDDLE RIVER	IA	05	ADAIR	HARRISON	86-76N-30W	10-17-8
14	J. ROSS	DELAWARE CO IA - RD D-47 - S FK MAQUOKETA RIVER	IA	02	DELAWARE	UNION	13-87N-04W	12-13-8
14	T. BALES	JACKSON CO MN - BR #32527 - W FK DES MOINES RIVER	MN	02	JACKSON	PETERSBURG	07-101N-34W	01-29-8
14	J. ROSS	IOWA FALLS IA - RIVER ROAD - IOWA RIVER	IA	06	HARDIN	HARDIN	13-88N-21W	02-19-8
14	J. ROSS	WAPELLO CO IA - DES MOINES RIVER	IA	01	WAPELLO	KEOKUK	24-71N-13W	02-21-8
14	T. BALES	BUENA VISTA CO IA - HWY ? BRIDGE - N RACCOON RIVER	IA	06	BUENA VISTA	PROVIDENCE	13-90N-36W	03-20-8
14	T. BALES	CENTRAL CITY IA - WAPSIPINICON RIVER	IA	02	LINN	JACKSON	03-85N-06W	05-27-8
14	J. ROSS	ELDON IA - SAN SEW LIFT STA - DES MOINES RIVER	IA	01	WAPELLO	WASHINGTON	35-71N-12W	06-11-8
14	J. ROSS	STUART IA - MIDDLE RACCOON RIVER	IA	04	DALLAS	UNION	10-78N-29W	07-15-8
14	T. BALES	OXFORD JUNCTION IA - SEW TR LAGOONS - WAPSI RIVER	IA	02	JONES	OXFORD	27-83N-01W	08-14-8
14	J. ROSS	RIVERTON IL - SEW TR PLANT - SANGAMON RIVER	IL	20	SANGAMON	CLEAR LAKE	09-16N-04W	10-09-8
14	J. ROSS	DAVIS COUNTY IA - FOX RVR/SOAP CR	IA	01	DAVIS			11-24-8
205	C. FARNHAM	SAC-FOX INDIAN RESERVATION IA - IOWA RIVER	IA	03	TAMA			

SITE VISIT	OFFICIAL REQUEST	REVOLVING FUND CHG. NO.	MAILING LIST AND LABELS ORDERED	STUDY INITIATION NOTICE			ENVIRONMENTAL							EST. PRO CO
				M.S. 01 NCD	SPONSOR	PUBLIC	NATION-WIDE PERMIT	404 PUBLIC NOTICE	ENVIRON. ASSESS.	404 (b)(1) EVAL.	F.O.N.S.I.	S.O.F.	401 WATER QUAL.	
-21-84	10-03-84	VW0112002000000		03-27-86										
	01-29-87	BE3583070000000		03-13-87	02-12-87									
-27-85	07-24-85	VW0112002660000	10-16-85	09-05-85	12-09-85	12-09-85	YES	000000	NO	000000	000000		00000000	13
-12-85	07-25-86	VW0112002650000	02-25-86	09-16-85	10-16-85	000000	YES	000000	NO	000000	000000		000000	8
-29-85	08-28-85													
-29-85	12-20-85	VW0112002740000	04-11-86	01-31-86	03-13-86	000000	YES	000000	NO	000000	000000		000000	2
-19-86														
-01-86	02-10-86	VW0112002860000	12-15-86	09-08-86	08-22-86	000000	YES	000000	YES				000000	2
-15-86	02-19-86	VW0112002900000	10-27-86	09-30-86	09-29-86	000000	NO	000000	NO	NO	000000	000000		50
-15-86	03-20-86													
-19-86	06-19-86													
	09-09-86													
-23-86	09-09-86													
-22-86	10-21-86	BE3513070000000	10-27-86	12-17-86	12-29-86									
	07-28-82			08-25-82										

AL T	BCR	EST. COST APPORTIONMENT FEDERAL	NON-FEDERAL LERR	NON-FEDERAL CASH	LETTER OF COMMITMENT FROM SPONSOR	STATE S.P.O.C. E.O. 12372	STATE CONST. PERMIT (SIGNED)	'DRAFT' REPORT SENT TO NCD W/ 'DRAFT' L.C.A.	NCD COMMENTS RECEIVED	FINAL REPORT TO NCD	STUDY COST	N.S. 82 NCD APPROVAL FWD. TO OCE	FACT SHEET SENT TO NCD	REPORT DISTRIBUTED TO PUBLIC	OCE WORK ALLOWANCE	AMT. RECV'D I. A.	AMT. RECV'D P
0																	
00	1.01	103,500	0	34,500	01-28-86	11-22-85	10-17-86	02-03-86	02-25-86	08-22-86	7,500	09-02-86	09-24-86	09-24-86	02-12-87	7,500	7
00	1.40	62,625	3,500	17,375	12-10-85	01-13-86	11-27-85	01-06-86	02-03-86	02-11-86	7,500	02-25-86	01-06-86	03-06-86	07-21-86	7,500	4
00	1.30	15,075	4,000	1,025	05-09-86	06-23-86	05-24-86	06-23-86	07-02-86	07-17-86	7,500	07-22-86	06-23-86	09-03-86	08-26-86	7,500	
00		15,075	1,200	9,825													
00	1.03	378,525	700	125,475	03-16-87												
															12-17-86	7,500	

M.S. 91 OCE APPROVAL OF REPORT	M.S. 92 P&S COMPLETE	A.S.A. APPROVAL FOR CONSTRUCTION	OCE APPROVAL 'DRAFT' L.C.A.	FORMAL L.C.A. SIGNED	ADVANCE NOTICE TO C.B.D.	INVITATION FOR BIDS	BID OPENING	REQUEST CONST. FUNDS	M.S. 93 AWARD CONST. CONTRACT	ACTUAL CONST. COSTS FEDERAL	ACTUAL CONST. COSTS NON-FEDERAL	END OF CONST.	M.S. 94 COMPLETION REPORT	PROJECT O&M TO SPONSOR	
															LOG
10-24-86															BAN
07-21-86	07-30-86	08-22-86	12-02-86	01-05-87	12-10-86	03-09-87	04-08-87								PRO
															02-
08-08-86	08-26-86	08-22-86	12-02-86	01-05-87	07-29-86	02-06-87	03-06-87	03-10-87	03-24-87						PRO
															PRO
															PRO
															PRO
															PRO
															PRO
															PRO
															PRO
															PRO
															PRO
															02-1
															ON M

REMARKS
& DEBRIS REMOVAL - EVALUATION REPORT
OE PROTECTION
T CO HWY
87 PUT ON HOLD W/SPONSOR
T CO RD & BRIDGE
T CO ROAD
T TOWNSHIP BRIDGE
T CITY STREET
T CO HIGHWAY
T HIGHWAY BRIDGE
T CITY STREET
T SAN SEW LIFT STA
T MUNICIPAL WATER SUPPLY PIPELINE
T MUNICIPAL SEW TR LAGOON
T SEW TR PLANT
87 PUT ON HOLD W/SPONSOR
D FOR SPONSOR L.O.C.

SCHEDULE OF OBLIGATIONS AND EXPENDITURES
SCHEDULED IN THOUSANDS OF DOLLARS ($000)

STUDY/PROJECT NAME:
CLASS OR UNIT:
***** ACTUAL COSTS THRU ******

FISCAL YEAR 1987
DATE PREPARED:
REVISED:

STUDY MANAGER: DISTRICT ST. LOUIS Filename=FORM26M COST CODE: CWIS:

COST ACCT NO. / ITEM	CONT TYPE & NO. OR DATE OF AWARD	TOTAL ESTI-MATED COST	OBLIG/ EXP/ CASH THRU FY	CARRY OVER/ UNDEL ORDERS	TOTAL AVAIL FOR FY	$	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BALANCE TO COMPLETE
1 / 2	3	4	5	6	7	8	9	10	CURRENT 11	12	FISCAL 13	14	YEAR 15	16	1987 17	18	19	20	21
CJ PD-A Environmental		0				ACT													
						SCH		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CD PD-E Economics		0				ACT													
						SCH		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
ED PD-H Floodplain Man		0				ACT													
						SCH		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CB PD-R Recreation		0				ACT													
						SCH		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CC PD-F *** SELECT ONE ***						ACT													
CH PD-U Study Management		0																	
CD PD-E						SCH		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
== Subtotal PD		0				ACT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
						SCH	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
EH ED-C Contract Support		0				ACT													
						SCH		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
DA ED-D All branches (DB,DC,DE,DG,DH,DJ)		0				ACT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
						SCH	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
ER ED-G Geotechnical (ES,ET,EU,EV,EW,EX)		0				ACT													
						SCH		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
EI ED-H Hydro & Hydr (EJ,EK,EL,EM,EN,EP,EZ)		0				ACT													
						SCH		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
ED Other (if needed) (specify)		0				ACT													
						SCH		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
== Subtotal ED		0				ACT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
						SCH	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NA RE Real Estate (NB,NC,ND,NE,NF)		0				ACT													
						SCH		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	

PD FORM 26 | *Study Name HERE* | FISCAL YEAR 1987

AJ BC Program Devel	0	ACT												
		SCH		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Any Other H-L (Specify)	0	ACT												
		SCH		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
== Subtotal Hired Labor	0	ACT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		SCH	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Overhead on HL USE = 20 %	0	ACT												
		SCH	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
++ TOTAL - HIRED LABOR	0	ACT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		SCH	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
HA Information Mgmt Off (HA,HB,HC,HD,HE,HF,HG) (NOTE-AS was GA,GB,GD,GE,GI,GJ,GN,GP,GS,GV,GW)	0	ACTUAL OBL												
		EXP												
		OBL		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		EXP			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Fish & Wildlife Transfer	0	ACTUAL OBL												
		EXP												
		OBL		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		EXP												.0
		ACTUAL OBL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		EXP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Contracts, P.O., W.O. + Undelivered Orders FY86	0	OBL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		EXP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		ACTUAL OBL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		EXP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
++ TOTAL CONTRACTS Contracts + Undelivered Orders	0	OBL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		EXP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
++		ACTUAL OBL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 +++++++
++		EXP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
++ GRAND TOTAL HIRED LABOR + CONTRACTS	0	OBL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 +++++++
++		EXP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 +++++++
++ CURRENT - PERFORMANCE EXP - ACT/SCH % =		%	ERROR	ERROR	ERROR	ERROR	ERROR	ERROR	ERROR	ERROR	ERROR	ERROR	ERROR	ERROR
== *** BASIC SCHEDULE ***		OBL												======
== PROVIDED TO BC - *DATE HERE*		EXP												======
== BASIC - PERFORMANCE EXP - ACT/SCH % =		%	ERROR	ERROR	ERROR	ERROR	ERROR	ERROR	ERROR	ERROR	ERROR	ERROR	ERROR	ERROR ======

NOTES:

PD FORM 26 *Study Name HERE* FISCAL YEAR 1987

***** DETAILED WORK SHEET *****

***** USE OF THIS SHEET IS OPTIONAL - WILL IT HELP YOU???? *****

SCHEDULE OF OBLIGATIONS AND EXPENDITURES
*** SCHEDULED IN THOUSANDS OF DOLLARS ($000)

Current Date Is 11/19/86 DATE PREPARED:
REVISED:

STUDY MANAGER: DISTRICT ST. LOUIS FIlename=87FORM26 COST CODE: CWIS:

COST ACCT NO.	ITEM	CONT TYPE & NO. OR DATE OF AWARD	TOTAL ESTI-MATED COST	OBLIG/ EXP/ CASH THRU FY	CARRY OVER/ UNDEL ORDERS	TOTAL AVAIL FOR FY	$	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BALANCE TO COMPLETE
								CURRENT FISCAL YEAR 1987												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
DETAILED BREAKDOWN OF SUMMARY ITEMS																				
***** EXAMPLE OF DETAILED CONTRACT BREAKDOWN *****																				
CONTRACTS & PURCHASE AND WORK ORDERS																				
				ACTUAL	OBL															
					EXP															
Contract #1			0		0															
					OBL			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
					EXP				.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
				ACTUAL	OBL															
					EXP															
Contract #2			0		0															
					OBL			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
					EXP				.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
				ACTUAL	OBL															
					EXP															
Purchase Order			0		0															
					OBL			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
					EXP				.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
				ACTUAL	OBL															
					EXP															
Work Order			0		0															
					OBL			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
					EXP				.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
				ACTUAL	OBL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
					EXP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
Subtotal-Contracts, P.O., W.O.			0		0															
					OBL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
					EXP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
***** EXAMPLE OF DETAILED UNDELIVERED ORDER BREAKDOWN *****																				
UNDELIVERED ORDERS CARRIED FORWARD FROM FY 86																				

			EXP										
Contract 01	0		0										
			OBL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
			EXP		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		ACTUAL	OBL											

PD FORM 26 *Study Name HERE* FISCAL YEAR 1987

			EXP										
Contract 02	0		0										
			OBL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
			EXP		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		ACTUAL	OBL											
			EXP											
Purchase Order	0		0											
			OBL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
			EXP		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		ACTUAL	OBL											
			EXP											
Work Order	0		0											
			OBL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
			EXP		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		ACTUAL	OBL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
			EXP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Subtotal-Undelivered Orders	0		0											
			OBL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
			EXP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
		ACTUAL	OBL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
			EXP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL - ALL CONTRACTS + UNDELIVERED ORDERS	0		0											
			OBL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
			EXP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

ED-D DESIGN BRANCH ***** EXAMPLE OF DETAILED BREAKDOWN FOR HIRED LABOR *****

			ACT										
DC ED-DA Structural	0		0										
			SCH	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
			ACT										
DE ED-DC Cost Estimates	0		0										
			SCH	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
			ACT										
DG ED-DG General Engr	0		0										
			SCH	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
			ACT										
DH ED-DM Mech/Elec	0		0										
			SCH	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
			ACT										
DJ ED-DN Envir - Arch	0		0										
			SCH	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
			ACT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
DA Subtotal - ED-D All branches (Entered in 'ED-D All branches' ABOVE)	0		0											
			SCH	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

```
MEN[illegible]MENU A1)
Form 26 PRINT        PRINT ALL          Review/Edit        Enter data              Quit MEN[illegible]    Detailed data
                     Form26+Detail Sheets  spreadsheet      select month 1-12     Go to cell [illegible]   enter-select month
/OPRPAGE1,GRPAGE2,GQ/OPRALLPRINT,GQ     (GOTO)             (GOTO)                (GOTO)                (GOTO)
                                        A1~/WC             A~                    A1~/WC                A149~
                                                           (GOTO)                                      (GOTO)
                                                           C~/WV/WS                                    C149~/WV/WS
                                                           (GETNUMBER Month?,AD1)                      (GETNUMBER Month?,AF1)
                                                           (IF AD1<13) (BRANCH DATA1)                  (IF AF1<13) (BRANCH FATA1)
                                                           (BEEP)                                      (BEEP)
                                                           (MESSAGE *ERROR*)                           (MESSAGE *ERROR*)
                                                           (DELAY 1)                                   (DELAY 1)
                                                           (MESSAGE)                                   (MESSAGE)
                                                           (MESSAGE INVALID!)                          (MESSAGE INVALID!)
                                                           (BEEP)                                      (BEEP)
                                                           (DELAY 1)                                   (DELAY 1)
                                                           (BRANCH MENU)                               (BRANCH MENU)
                                                           (MESSAGE)                                   (MESSAGE)

                                        DATA1              (IF AD1>0) (BRANCH DFATA1                   (IF AF1>0) (BRANCH FATA2)
                                                           (BEEP)                                      (BEEP)
                                                           (MESSAGE *ERROR*)                           (MESSAGE *ERROR*)
                                                           (DELAY 1)                                   (DELAY 1)
                                                           (MESSAGE)                                   (MESSAGE)
                                                           (MESSAGE INVALID!)                          (MESSAGE INVALID!)
                                                           (BEEP)                                      (BEEP)
                                                           (DELAY 1)                                   (DELAY 1)
                                                           (BRANCH MENU)                               (BRANCH MENU)
                                                           (MESSAGE)                                   (MESSAGE)

                                        DATA2              (IF AD1>1) (BRANCH DFATA2                   (IF AF1>1) (BRANCH FATA3)
                                                           (GOTO)                                      (GOTO)
                                                           I10~                                        I149~

                                        DATA3              (IF AD1>2) (BRANCH DFATA3                   (IF AF1>2) (BRANCH FATA4)
                                                           (GOTO)                                      (GOTO)
                                                           J10~                                        J149~

                                        DATA4              (IF AD1>3) (BRANCH DFATA4                   (IF AF1>3) (BRANCH FATA5)
                                                           (GOTO)                                      (GOTO)
                                                           K10~                                        K149~

                                        DATA5              (IF AD1>4) (BRANCH DFATA5                   (IF AF1>4) (BRANCH FATA6)
                                                           (GOTO)                                      (GOTO)
                                                           L10~                                        L149~

                                        DATA6              (IF AD1>5) (BRANCH DFATA6                   (IF AF1>5) (BRANCH FATA7)
                                                           (GOTO)                                      (GOTO)
                                                           M10~                                        M149~

                                        DATA7              (IF AD1>6) (BRANCH DFATA7                   (IF AF1>6) (BRANCH FATA8)
                                                           (GOTO)                                      (GOTO)
                                                           N10~                                        N149~

                                        DATA8              (IF AD1>7) (BRANCH DFATA8                   (IF AF1>7) (BRANCH FATA9)
                                                           (GOTO)                                      (GOTO)
                                                           O10~                                        O149~

                                        DATA9              (IF AD1>8) (BRANCH DFATA9                   (IF AF1>8) (BRANCH FATA10)
                                                           (GOTO)                                      (GOTO)
                                                           P10~                                        P149~

                                        DATA10             (IF AD1>9) (BRANCH DFATA10                  (IF AF1>9) (BRANCH FATA11)
                                                           (GOTO)                                      (GOTO)
                                                           Q10~                                        Q149~
```

```
DATA11    (IF AD1>10) (BRANCH FATA11    (IF AF1>10) (BRANCH FATA12)
          (GOTO)                        (GOTO)
          R10~                          R149~

DATA12    (IF AD1>11) (BRANCH FATA12    (IF AF1>11) (BRANCH FATA13)
          (GOTO)                        (GOTO)
          S10~                          S149~

DATA13    (GOTO)            FATA13      (GOTO)
          T10~                          T149~
```

CONSTRUCTION COST FIRST YEAR

BARTEL
4/20/87
1:20 PM

NORTHSIDE – TOTAL (FY90)

Construction Cost:			$5,000,000
Total Constr. Periods: (months)			36
	Begin Month	End Month	
Period Expenditures will occur	1	12	12
Expenditures per month			$416,667

3-Year CONSTR PI COMPLETE FY-92

INTEREST DURING CONSTRUCTION

Compute Future Value (FV)	FV = PMT ((1+i)^N-1)	
Total Constr Cost =	$5,000,000	
Interest Rate (i) =	10.000%	
Future Periods, (N)	36	(to constr. completion date)
Expenditure periods (n)	12	
Expenditure/month (PMT)	$416,667	(assumed to occur on last day of the month)

n	PMT	(1+i)	N	(1+i)^N-1	PMT(1+i)N-1	SUM FV
1	$416,667	1.00797414	35	0.32047058	$133,529	$133,52
2	$416,667	1.00797414	34	0.31002407	$129,177	$262,70
3	$416,667	1.00797414	33	0.29966039	$124,858	$387,56
4	$416,667	1.00797414	32	0.28937871	$120,574	$508,13
5	$416,667	1.00797414	31	0.27917836	$116,324	$624,463
6	$416,667	1.00797414	30	0.26905871	$112,108	$736,571
7	$416,667	1.00797414	29	0.25901911	$107,925	$844,496
8	$416,667	1.00797414	28	0.24905894	$103,775	$948,270
9	$416,667	1.00797414	27	0.23917756	$99,657	$1,047,928
10	$416,667	1.00797414	26	0.22937436	$95,573	$1,143,500
11	$416,667	1.00797414	25	0.21964871	$91,520	$1,235,021
12	$416,667	1.00797414	24	0.21	$87,500	$1,322,521

Total Value FY90 const work IN FY

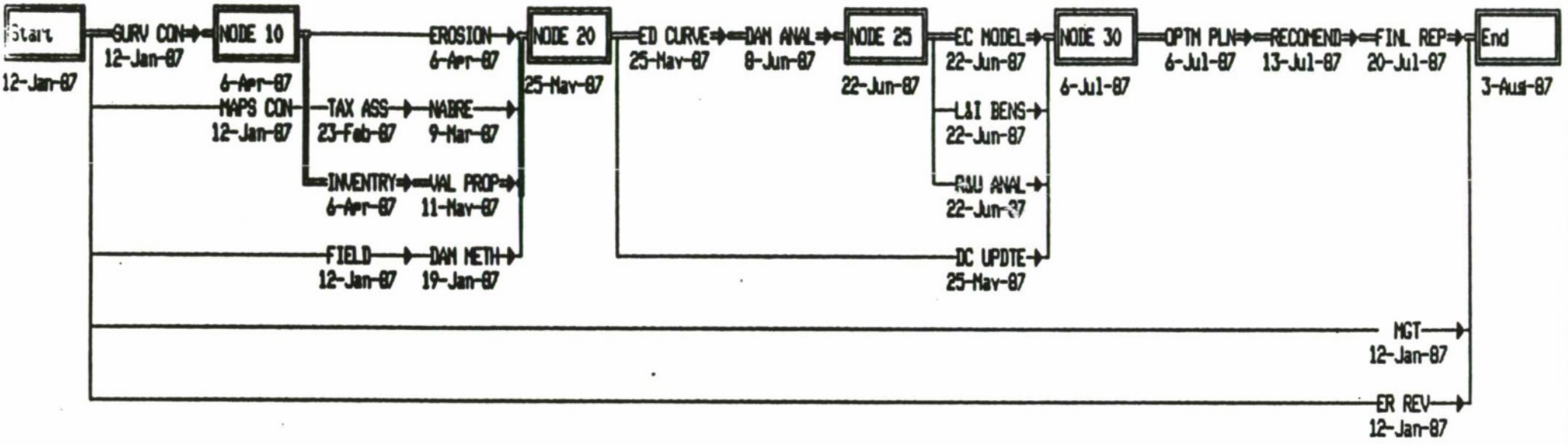
CAPE MAY BENEFITS RE-EVALUATION

Project: CMBEN 13-Apr-1987 Page 1

Name	Responsible Code	Duration Description	Slack	Start date	Finish date	% Complete
ER REV		28.00 Wks W REVIEW AND COMMENT BY ER BRANCH	1.00 Wks W	12-Jan-1987	27-Jul-1987	0
MGT	PLANNING	28.00 Wks W STUDY MANAGEMENT	1.00 Wks W	12-Jan-1987	27-Jul-1987	0
DAM METH	H/H	2.00 Wks W DAMAGE COMPUTATION METHODOLOGY	16.00 Wks W	19-Jan-1987	2-Feb-1987	0
MABRE		4.00 Wks W BALTIMORE REAL ESTATE	7.00 Wks W	9-Mar-1987	6-Apr-1987	0
INVENTRY	EVALUATION	5.00 Wks W IN-HOUSE INVENTORY OF PROPERTY	0.00 Wks W	6-Apr-1987	11-May-1987	5
EROSION	H/H	1.00 Wks W UPDATE EROSION RATE ANALYSIS	6.00 Wks W	6-Apr-1987	13-Apr-1987	5
VAL PROP	EVALUATION	2.00 Wks W VALUE PROPERTIES	0.00 Wks W	11-May-1987	25-May-1987	0
DC UPDTE	DESIGN	4.00 Wks W DESIGN AND COST UPDATES	2.00 Wks W	25-May-1987	22-Jun-1987	0
ED CURVE	EVALUATION	2.00 Wks W DEVELOP EROSION DAMAGE CURVES	0.00 Wks W	25-May-1987	8-Jun-1987	0
DAM ANAL	H/H	2.00 Wks W STORM DAMAGE ANALYSIS;NO ACTION,ALT. PLANS,STRUC.	0.00 Wks W	8-Jun-1987	22-Jun-1987	0
EC MODEL	EVALUATION	2.00 Wks W ECONOMIC MODEL	0.00 Wks W	22-Jun-1987	6-Jul-1987	0
L&I BENS		1.00 Wks W LOACATION AND INTENSIFICATION BENEFITS	1.00 Wks W	22-Jun-1987	29-Jun-1987	0
R&U ANAL		1.00 Wks W RISK AND UNCERTAINTY ANALYSIS	1.00 Wks W	22-Jun-1987	29-Jun-1987	0
OPTM PLN	ALL	1.00 Wks W OPTIMIZE PLAN	0.00 Wks W	6-Jul-1987	13-Jul-1987	0
RECOMEND	H/H	1.00 Wks W RESOLVE DIFFERENCES WITH PREV RECOMMENDATIONS	0.00 Wks W	13-Jul-1987	20-Jul-1987	0
REP	ALL	2.00 Wks W FINALIZE REPORT	0.00 Wks W	20-Jul-1987	3-Aug-1987	0

EXAMPLE

CAPE MAY BENEFITS R VALUATION
13-Apr-1987



STUDY COST ESTIMATE (PB-6)
($000)

Filename is 'PB6FORM'

Appropriation Title: Construction, gen

Category

Class

Name of Study

Subclass

LINE #	SUBACCOUNT Number	SUBACCOUNT Title	CURRENT COST ESTIMATE: Reconnaissance Phase	Federal Feasibility Phase	Non-Federal Feasibility Phase	Total Federal Phase	Previous Total Cost Estimate and Date Approved	Remarks
	a	b	c	d	e	f	g	h
1	.01 .02	Public Involvement Institutional Studies						
2	.03 .04	Social Studies Cultural Resource Studies						
3	.05 .06	Environmental Studies Fish and Wildlife Studies						
4	.07 .08	Economic Studies Surveying and Mapping						
5	.09 .10	Hydrology and Hydraulics Foundations and Materials						
6	.11 .12	Design and Cost Estimates Real Estate Studies						
7	.13 .14	Study Management Plan Formulation						
8	.15 .20	Report Preparation Other Studies						
9	.31	Supervision and Administration						
10		Subtotal	0	0	0	0	0	
11		Contingencies						
12		TOTAL	0	0	0	0	0	
13								
14								

Date Prepared

Division Lower Mississippi Valley

District St. Louis

Region Upper Mississippi River

Basin Mississippi-Kaskaskia-St. Louis

FLOOD CONTROL & FPMS BRANCH
MARCH 1987
ALLOCATION OF RESOURCES

HOURS PER YEAR = 2087
OVERHEAD RATE = 236%

PROJECT		AA111		AA222		AA333		BE444		BE555		BE666		CD777		CD888		CD999		VW001		VW002		OTHER	TIME OFF	TOTAL	
NAME	WK	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES
	1		0	40	1,312		0		0		0		0		0		0		0		0		0		0	40	1,312
	2		0	32	1,050		0		0		0		0		0		0		0		0		0		0	40	1,050
JIM	3		0	40	1,313		0		0		0		0		0		0		0		0		0		0	40	1,313
	4		0	32	1,050		0		0		0		0		0		0		0		0		0		0	40	1,050
	5		0		0		0		0		0		0		0		0		0		0		0		0	0	0
	--																										
	T	0	0	144	4,726	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	160	4,726
	1		0		0		0		0	40	1,648		0		0		0		0		0		0		0	40	1,648
	2		0		0		0		0	32	1,335		0		0		0		0		0		0		0	40	1,335
JOHN	2		0		0		0		0	40	1,648		0		0		0		0		0		0		0	40	1,648
	4		0		0		0		0	32	1,335		0		0		0		0		0		0		0	40	1,235
	5		0		0		0		0		0		0		0		0		0		0		0		0	0	0
	--																										
	T	0	0	0	0	0	0	0	0	144	6,000	0	0	0	0	0	0	0	0	0	0	0	0	16	160	6,000
	1		0		0		0		0		0		0	40	1,352		0		0		0		0		0	40	1,352
	2		0		0		0		0		0		0	32	1,082		0		0		0		0		0	40	1,082
FRED	2		0		0		0		0		0		0	40	1,352		0		0		0		0		0	40	1,352
	4		0		0		0		0		0		0	32	1,082		0		0		0		0		0	40	1,082
	5		0		0		0		0		0		0		0		0		0		0		0		0	0	0
	--																										
	T	0	0	0	0	0	0	0	0	144	4,868	0	0	0	0	0	0	0	0	0	0	0	0	16	160	4,868
	1	40	2,187		0		0		0		0		0		0		0		0		0		0		0	40	2,187
	2	32	1,708		0		0		0		0		0		0		0		0		0		0		0	40	1,708
BILL	2	40	2,187		0		0		0		0		0		0		0		0		0		0		0	40	2,187
	4	32	1,709		0		0		0		0		0		0		0		0		0		0		0	40	1,708
	5		0		0		0		0		0		0		0		0		0		0		0		0	0	0
	--																										
	T	144	7,972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	160	7,972
	1		0	16	687		0		0		0	20	1,030		0		0		0		0		0		0	40	1,717
	2		0	16	687		0		0		0	16	687		0		0		0		0		0		0	40	1,374
MIKE	2		0	16	687		0		0		0	20	1,030		0		0		0		0		0		0	40	1,717
	4		0	16	687		0		0		0	16	687		0		0		0		0		0		0	40	1,374
	5		0		0		0		0		0		0		0		0		0		0		0		0	0	0
	--																										
	T	0	0	64	2,748	0	0	0	0	0	0	80	3,420	0	0	0	0	0	0	0	0	0	0	16	160	6,102

PROJECT		AA111		AA222		AA333		BE444		BE555		BE666		C0777		C0888		C0999		V6661		V6662		OTHER		TIME OFF		TOTAL	
NAME	WK	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS	HRS.	CHARGES
	1	40	1,020																							40	1,020
	2	32	1,102																							40	1,102
JACK	3	40	1,020																							40	1,020
	4	32	1,102																							40	1,102
	5																										
	T	144	3,144	0		0		0		0		0		0		0		0		0		0		0		16	160	5,144
	1	40	1,059																							40	1,059
	2	32	1,407																							40	1,407
JERRY	3	40	1,059																							40	1,059
	4	32	1,407																							40	1,407
	5																										
	T	144	4,892	0		0		0		0		0		0		0		0		0		0		0		16	160	4,892
	1													0		353	20	1,058								40	1,411
	2													12		529	16	706								40	1,235
DOB	3													0		353	20	1,058								40	1,411
	4													0		0	0	0								40	0
	5																										
	T	0	0	0		0		0		0		0		28	1,235	64	2,822	0		0		0		0		40	160	4,057
	1																											
	2																											
JAMIE	3																											
	4																											
	5																											
	T	0	0	0		0		0		0		0		0		0		0		0		0		0		0	0	0
	1																											
	2																											
JANINE	3																											
	4																											
	5																											
	T	0	0	0		0		0		0		0		0		0		0		0		0		0		0	0	0
TOTAL		832	19,700	200	7,070	0		0		0		104	6,000	80	3,030	20	1,235	200	7,690	0		0		0		100	1,200	85,565

FLOOD CONTROL & FPMS BRANCH
MARCH 1987
ALLOCATION OF RESOURCES
cont'd

SUMMARY

PROJECT	CHARGE
AA111	19,784
AA222	7,474
AA333	0
BE444	0
BE555	6,888
BE666	3,434
CD777	1,235
CD888	7,690
CD999	0
VW001	0
VW002	0
OTHER	0
LEAVE	0
TOTAL	45,545

FLOOD CONTROL & FPMS BRANCH
APRIL 1987
ALLOCATION OF RESOURCES

03/19/87

HOURS PER YEAR = 2087
OVERHEAD RATE = 236%

PROJECT	AA101		AA222		AA333		BE044		BE335		BEAA6		CD777		CD888		CD999		VW001		VW002		OTHER		TIME OFF	TOTAL	
NAMES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS.	CHARGES	HRS	HRS.	CHARGES
TOM		0	176	6,239		0		0		0		0		0		0		0		0		0		0		176	6,239
JOHN		0		0		0		0	176	7,562		0		0		0		0		0		0		0		176	7,562
FRED		0		0		0		0		0		0		0	176	3,164		0		0		0		0		176	3,164
JANIE		0		0		0		0		0		0		0	176	6,389		0		0		0		0		176	6,389
BILL	66	3,749	66	3,749		0		0		0	44	2,499		0		0		0		0		0		0		176	9,997
MIKE		0		0		0		0		0	176	7,770		0		0		0		0		0		0		176	7,770
JACK	176	6,764		0		0		0		0		0		0		0		0		0		0		0		176	6,764
JERRY	176	8,627		0		0		0		0		0		0		0		0		0		0		0		176	8,627
BOB		0	48	1,017	0	363	0	363		0		0	48	2,100	24	1,090		0		0		0	48	2,100		176	7,993
TRAINEE		0		0		0		0		0		0		0		0		0		0		0		0		0	0
TOTAL	418	18,940	282	11,005	0	363	0	363	176	7,562	220	10,277	48	2,100	376	10,543	0	0	0	0	0	0	48	2,100	0	1,304	64,233

SHEET OF

Residential Damage

Output

RESIDENTIAL FLOOD DAMAGES
LOCATION:

DISTANCE TO DAMAGE	VERTICAL DIST. FLR. OF STRUCTURE TO REF. FL	REFERENCE POINT NUMBER	ESTIMATED ELEVATION	DEPTH ESTIMATED FLOOD 01	DEPTH REF TO BAS. FLOOD 01	DAMAGE TO STRUCTURE FLOOD 01	DAMAGE TO STRUCTURE FLOOD 01	DAMAGE TO CONTENTS FLOOD 01	DAMAGE TO CONTENTS FLOOD 01	DEPTH ESTIMATED TO REF. PT. FLOOD 02	DEPTH REF TO BAS. FLOOD 02	DAMAGE TO STRUCTURE FLOOD 02	DAMAGE TO STRUCTURE FLOOD 02	DAMAGE TO CONTENTS FLOOD 02	DAMAGE TO CONTENTS FLOOD 02
0.00	0.50	1.0	939.0	939.0	0.16001	0.12060	010,163	0.06900	92,402	939.0	0.50001	0.12700	010,915	0.19600	07,357
2.50	1.50	2.0	939.0	939.0	0.90001	0.04015	09,543	0.06525	09,133	939.0	1.30001	0.06955	013,700	0.09025	05,970
0.50	0.50	2.0	939.0	939.0	0.60001	0.12060	011,540	0.22900	06,567	939.0	1.00001	0.13500	012,110	0.36100	010,333
1.00	0.00	2.0	939.0	939.0	0.60001	0.02140	04,191	0.01860	0511	939.0	1.00001	0.13500	011,612	0.36100	09,929
1.00	0.00	2.0	939.0	939.0	0.60001	0.01140	03,905	0.01860	0892	939.0	1.00001	0.13500	011,145	0.36100	09,542
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592
2.00	1.00	2.0	939.0	939.0	0.60001	0.03210	06,362	0.04350	02,755	939.0	1.00001	0.05350	010,603	0.07250	06,592

FACILITY NUMBER	USAGE 1"M" for 1"O"	LOCATION DATA STREET & NUMBER for TWSHP,RANGE,SEC.	STRUCTURE TYPE	NUMBER OF STORIES	COST PER SQ. FT. (IFN-FJ)	SIZE IN SQUARE FT.	BRICK VENEER	SIDING	STUCCO for ALUMINIUM
05	1R	MAP REF	1	1	000.69	2272			
06	1R	MAP REF	1	1	092.25	2272			
07	1R	MAP REF	1	1	000.69	1736			
08	1R	MAP REF	1	1	000.69	1664			
09	1R	MAP REF	1	1	000.69	1640			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	097.25	2277			
50	1R	MAP REF	1	1	092.25	2277			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2277			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			
50	1R	MAP REF	1	1	092.25	2272			

4/30/1987
PALAMANKERE.OCT

***

STUDY COST ESTIMATE (PB-6)
($000)

FC, MR&T

Category
General Investigations

Class
Survey

Subclass
Flood Control

Ln. no.	SUBACCOUNT Number	SUBACCOUNT Title	CURRENT COST ESTIMATE: Reconnoissance Phase	Federal Feasibility Phase	Non Federal Feasibility Phase	Total Feasibility Phase	Previous Total Cost Estimate and Date Approved ( )	Remarks
	a	b	c	d	e	f	g	h
	.01	Public Involvement	0	0	0	0	0	
	.02	Institutional Studies	0	0	0	0	0	
	.03	Social Studies	0	0	0	0	0	
	.04	Cultural Resources Studies	0	0	0	0	0	
	.05	Environmental Studies (ex F&W)	0	0	0	0	0	
	.06	Fish and Wildlife Studies	0	0	0	0	0	
	.07	Economic Studies	0	0	0	0	0	
	.08	Surveying and Mapping	0	0	0	0	0	
	.09	Hydrology and Hydraulics	0	0	0	0	0	
	.10	Foundations and Materials	0	0	0	0	0	
	.11	Design and Cost Estimates	0	0	0	0	0	
	.12	Real Estate Studies	0	0	0	0	0	
	.13	Study Management	0	0	0	0	0	
	.14	Plan Formulation	0	0	0	0	0	
	.15	Report Preparation	0	0	0	0	0	
	.201	Sedimentation Studies	0	0	0	0	0	
	.202	Pollution Abatement Studies	0	0	0	0	0	
	.203	Recreation Studies	0	0	0	0	0	
		Subtotal	0	0	0	0	0	
	.31	Supervision & Administration	0	0	0	0	0	
		Subtotal	0	0	0	0	0	
		Contingencies	0	0	0	0	0	
		TOTAL	0	0	0	0	0	

Date Prepared

Division Mississippi River Commission

Region Lower Mississippi

District Memphis

Basin West Memphis District

TELEPHONE OR VERBAL CONVERSATION RECORD

SUBJECT: TIPTONVILLE, TN. RECON DATE: 23 Oct 86

INCOMING CALL

Person Calling:	Address:	Phone Number:
Mayor Bill Lewis	City Hall, Tiptonville	253-9922

Person Called:	Office:	Phone Number:
Billy Dycus	LMMPD-F	521-3831

OUTGOING CALL

Person Calling:	Office:	Phone Number:

Person Called:	Address:	Phone Number:

SUMMARY OF CONVERSATION:

Mayor Lewis returned my call to him on this date. I had called to inquire about why the city of Tiptonville had not been in the Flood Insurance program since 1981. Mayor Lewis said that the city had involuntarily removed itself from the program due to an administrative error but was currently filing an application with the Federal Emergency Management Agency (FEMA) to be reinstated in the program. The city planning commission has recently met with FEMA officials from Atlanta to work out details of the application. Mayor Lewis said that he expects the city of Tiptonville to be accepted into the Flood Insurance program in the near future.

BILLY DYCUS
PLAN FORMULATION BRANCH

TSIS MATRIX — KANSAS CITY DISTRICT SUMMARY — 18-Dec-86 (DATE REVISED) — TESTER (TSIS86021)

REPORTING PERIOD
JUNE 1986 TO DEC 17, 1986

RECIPIENTS	REQUESTS	SITES	RESPONSES																			
			TECHNICAL DATA			FLOODWAY		PLANNING ASSISTANCE														
								GUIDANCE ON ADJUSTMENTS					PLANNING GUIDANCE						PROPERTY VALUES ($100,000)		WORK (WORKDAYS)	
								FLOODPLAIN REGS														
			HYDRO	HYDRA	MAPS/ SURVEY	FLDWY COMP	FLDWY ALTGA	ZONE REGS	SUBD REGS	OTH REGS	FLOOD PROOF	FLOOD MODIF	GEN PLAN	SITE PLAN	COMP PLAN	OTHR PLAN	REPORTS & PUB	EXIST VALUE	FUTUR VALUE	TOTAL NEW DATA	TOTAL EXISTING DATA
USDA	0																					
FEMA	9	8	4	3	4	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	7
HUD	0																					
GSA	1	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
INTERIOR	0																					
EPA	5	4	0	1	4	0	0	0	0	0	0	0	0	0	0	0	2	40	50	3	3
DOT	0																					
HHS	0																					
COMMERCE	0																					
DOD	2	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	1	3.5	0	0	0
OTHERS	2	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0
TOT FEDERAL	19	19	4	4	14	1	0	0	0	0	0	0	0	0	1	0	7	143.5	50	3	10
STATE	3	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	1	30	0	0	2
COUNTY	3	3	1	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
CITY/LOCAL	17	16	1	11	15	0	2	0	2	0	0	0	0	6	2	0	10	53.5	35	0	11
REG PLN COMM	0																					
AUTH CONV BD	2	2	1	2	1	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0
OTHERS	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0	1	0	10	0	0
TOTAL PUBLIC	26	26	3	14	21	0	3	0	2	0	0	0	1	7	3	0	14	83.5	45	0	14
INDIVIDUAL	37	38	1	4	31	0	1	0	0	0	0	0	0	0	1	0	14	21.5	4.5	0	9
BLDR DEV REA	160	180	1	7	175	0	1	0	0	0	0	0	0	3	1	0	26	245.5	82	0	21
CORPORATION	56	69	9	19	52	1	2	0	0	0	0	0	0	7	0	0	31	790	171	1	11
ASSN-SOC	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
INSURANCE CO	83	117	2	20	115	0	0	0	0	0	0	0	0	1	0	0	0	1008.5	5	0	12
LENDING INST	132	193	0	0	192	0	0	0	0	0	0	0	0	0	0	0	20	687.75	5	0	23
OTHERS	94	147	1	0	145	0	1	0	0	0	0	0	0	1	0	0	0	166	17	0	14
TOT PRIVATE	564	746	15	51	711	1	5	0	0	0	0	0	0	12	2	0	107	2919.25	284.5	1	90
GRAND TOTAL	609	791	22	69	746	2	0	0	2	0	0	0	1	19	6	0	128	3146.25	379.5	4	114

REMARKS

-Apr-87)

M1

FLOOD DAMAGE REDUCTION PERFORMANCE

STREAM: MALHEUR RIVER GAGE: VALE
REACH: VALE OREGON REGULATION: CORPS LEVEE

11300	< ENTER UNREGULATED FLOW	24FEB
6570	< ENTER REGULATED FLOW	24FEB

INDEX - DODGE BOISE INDEX 1980 PRICE LEVEL

549.9	< ENTER CURRENT INDEX	1.25 < BOISE INDEX
MAR 86	< ENTER DATE OF INDEX	

$147,855	< DAMAGE FOR UNREGULATED FLOW
$0	< REMAINING DAMAGE WITH LEVEE OR CHANNEL IMPRV.
$147,855	< TOTAL DAMAGE PREVENTED
$3,468	< DAMAGE PREVENTED FROM LEVEES
$144,387	< DAMAGE PREVENTED FROM STORAGE

PROJECT: AR[redacted] TRIBUTARIES SUB-STUDY (00EUF-TENSAS BASIN) SCHEDULE OF OBLIGATIONS,EXPENDITURES A[redacted] DISBURSEMENTS STUDY MANAGER: MAZZANTI

CLASS: GENERAL INVESTIGATION - MR&T FORM 26 DATE PREPARED: 10/16/86 PAGE 1 OF 5

COST ACC. NO.	ITEM	1987 BUDGET	UNOBL '86 CO	OBL '86 CO	TOTAL AVAIL		OCT	NOV	DEC	JAN	FEB	MAR	*FY 1987* APR	MAY	JUN	JUL	AUG	SEP	TOTAL PRGMD	% COMPL TO DATE
.011	PUBLIC INVOLVEMENT	.0	.0	.0	.0	(BASE OBL)	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	B (ACCOUNT NUMBER)	.0	.0	.0	.0	(BASE EXP)	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		.0	.0	.0	.0	(SCH OBL)	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		.0	.0	.0	.0	(SCH EXP)	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	(PU)					(ACT EXP)													.0	0%
.041	CULTURAL RESOURCE	3.0	.0	.0	3.0		.0	.0	.0	1.0	2.0	.0	.0	.0	.0	.0	.0	.0	3.0	
	B EN1180204100T00	3.0	.0	.0	3.0		.0	.0	.0	1.0	2.0	.0	.0	.0	.0	.0	.0	.0	3.0	
		3.0	.0	.0	3.0		.0	.0	.0	1.0	2.0	.0	.0	.0	.0	.0	.0	.0	3.0	
		3.0	.0	.0	3.0		.0	.0	.0	1.0	2.0	.0	.0	.0	.0	.0	.0	.0	3.0	
	(PQ)																		.0	0%
.051	ENVIRONMENTAL	7.0	.0	.0	7.0		.0	.0	.0	2.0	2.0	2.0	1.0	.0	.0	.0	.0	.0	7.0	
	B EN1180205100T00	7.0	.0	.0	7.0		.0	.0	.0	2.0	2.0	2.0	1.0	.0	.0	.0	.0	.0	7.0	
		7.0	.0	.0	7.0		.0	.0	.0	2.0	2.0	2.0	1.0	.0	.0	.0	.0	.0	7.0	
		7.0	.0	.0	7.0		.0	.0	.0	2.0	2.0	2.0	1.0	.0	.0	.0	.0	.0	7.0	
	(PQ)																		.0	0%
.063	FISH & WILDLIFE	4.2	.0	.0	4.2		4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	
	B EN1180206300TFW	4.2	.0	5.1	9.3		.0	.0	.0	2.0	.0	.0	.0	3.0	.0	.0	.0	4.3	9.3	
		4.2	.0	.0	4.2		4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	
		4.2	.0	5.1	9.3		.0	.0	.0	2.0	.0	.0	.0	3.0	.0	.0	.0	4.3	9.3	
	(QA)																		.0	0%
.071	ECONOMICS	10.0	.0	.0	10.0		.0	.0	.0	2.0	2.0	2.0	2.0	2.0	.0	.0	.0	.0	10.0	
	B EN1180207100T00	10.0	.0	.0	10.0		.0	.0	.0	2.0	2.0	2.0	2.0	2.0	.0	.0	.0	.0	10.0	
		10.0	.0	.0	10.0		.0	.0	.0	2.0	2.0	2.0	2.0	2.0	.0	.0	.0	.0	10.0	
		10.0	.0	.0	10.0		.0	.0	.0	2.0	2.0	2.0	2.0	2.0	.0	.0	.0	.0	10.0	
	(PE)																		.0	0%
.081	SURVEYING & MAPPING	3.0	.0	.0	3.0		.0	2.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	
	B EN1180208100T00	3.0	.0	.0	3.0		.0	2.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	
		3.0	.0	.0	3.0		.0	2.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	
		3.0	.0	.0	3.0		.0	2.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	
	(YO,YG,YT,YU)																		.0	0%
.091	HYDROLOGY & HYDRAULICS	25.0	.0	.0	25.0		5.0	5.0	5.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	25.0	
	B EN1180209100T00	25.0	.0	.0	25.0		5.0	5.0	5.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	25.0	
		25.0	.0	.0	25.0		5.0	5.0	5.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	25.0	
		25.0	.0	.0	25.0		5.0	5.0	5.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	25.0	
	(IC,IO,IN,IN)																		.0	0%
.091	WATER QUALITY	5.0	.0	.0	5.0		.0	.0	.0	1.0	2.0	2.0	.0	.0	.0	.0	.0	.0	5.0	
	B EN1180209100T00	5.0	.0	.0	5.0		.0	.0	.0	1.0	2.0	2.0	.0	.0	.0	.0	.0	.0	5.0	
		5.0	.0	.0	5.0		.0	.0	.0	1.0	2.0	2.0	.0	.0	.0	.0	.0	.0	5.0	
		5.0	.0	.0	5.0		.0	.0	.0	1.0	2.0	2.0	.0	.0	.0	.0	.0	.0	5.0	
	(IN)																		.0	0%

PROJECT: ARKANSAS TRIBUTARIES SUB-STUDY | SCHEDULE OF OBLIGATIONS,EXPENDITURES AND CASH DISBURSEMENTS | DATE PREPARED: 10/16/86 | PAGE [illegible] OF 5

COST ACC. NO.	ITEM	1987 BUDGET	UNOBL '86 CO	OBL '86 CO	TOTAL AVAIL		OCT	NOV	DEC	JAN	FEB	MAR	*FY 1987* APR	MAY	JUN	JUL	AUG	SEP	TOTAL PRGMD	% COMPL TO DATE
.101	FOUNDATION & MATERIALS	2.0	.0	.0	2.0	(OBSE OBL)	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	2.0	
	0 EN1180210100T00	2.0	.0	.0	2.0	(BASE EIP)	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	2.0	
		2.0	.0	.0	2.0	(SCH OBL)	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	2.0	
		2.0	.0	.0	2.0	(SCH EIP)	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	2.0	
	(TA,TO,TC,TL,TT)					(ACT EIP)													.0	0%
.111	DESIGN & COST	2.0	.0	.0	2.0		.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	2.0	
	0 EN1180211100T00	2.0	.0	.0	2.0		.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	2.0	
		2.0	.0	.0	2.0		.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	2.0	
		2.0	.0	.0	2.0		.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	2.0	
	(HA,HO,HC,HO,HE,HF,HH)																		.0	0%
.121	RELOCATIONS	2.0	.0	.0	2.0		.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	
	0 EN1180212100T00	2.0	.0	.0	2.0		.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	
		2.0	.0	.0	2.0		.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	
		2.0	.0	.0	2.0		.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	
	(LR)																		.0	0%
.121	REAL ESTATE	3.0	.0	.0	3.0		.0	.0	.0	1.0	2.0	.0	.0	.0	.0	.0	.0	.0	3.0	
	0 EN1180212100T00	3.0	.0	.0	3.0		.0	.0	.0	1.0	2.0	.0	.0	.0	.0	.0	.0	.0	3.0	
		3.0	.0	.0	3.0		.0	.0	.0	1.0	2.0	.0	.0	.0	.0	.0	.0	.0	3.0	
		3.0	.0	.0	3.0		.0	.0	.0	1.0	2.0	.0	.0	.0	.0	.0	.0	.0	3.0	
	(CA)																		.0	0%
.131	STUDY MANAGEMENT	22.0	.0	.0	22.0		.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	22.0	
	0 EN1180213100T00	22.0	.0	.0	22.0		.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	22.0	
		22.0	.0	.0	22.0		.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	22.0	
		22.0	.0	.0	22.0		.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	22.0	
	(PU)																		.0	0%
.131	PROGRAM DEVELOPMENT	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	(AG)						.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0%
.141	PLAN FORMULATION	12.0	.0	.0	12.0		2.0	2.0	2.0	2.0	2.0	2.0	.0	.0	.0	.0	.0	.0	12.0	
	0 EN1180214100T00	12.0	.0	.0	12.8		2.0	2.0	2.0	2.0	2.0	2.0	.0	.0	.0	.0	.0	.0	12.0	
		12.0	.0	.0	12.8		2.0	2.0	2.0	2.0	2.0	2.0	.0	.0	.0	.0	.0	.0	12.8	
		12.0	.0	.0	12.0		2.0	2.0	2.0	2.0	2.0	2.0	.0	.0	.0	.0	.0	.0	12.8	
	(PU)																		.0	0%
.145	LMVD/MRC	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	(PU)																		.0	0%

PROJECT: AR[redacted]RIBUTARIES SUB-STUDY — SCHEDULE OF OBLIGATIONS, EXPENDITURES AN[redacted]ISOURSEMENTS — DATE PREPARED: 10/16/86 — [redacted] OF 5

COST ACC. NO.	ITEM	1987 BUDGET	UNOBL '86 CO	OBL '86 CO	TOTAL AVAIL		OCT	NOV	DEC	JAN	FEB	MAR	*FY 1987* APR	MAY	JUN	JUL	AUG	SEP	TOTAL PRGMD	% COMPL TO DATE
.151	REPORT PREPARATION	4.0	.0	.0	4.0	(BASE OBL)	.0	.0	.0	.0	2.0	2.0	.0	.0	.0	.0	.0	.0	4.0	
	0 ENI180215100T00	4.0	.0	.0	4.0	(BASE EIP)	.0	.0	.0	.0	2.0	2.0	.0	.0	.0	.0	.0	.0	4.0	
		4.0	.0	.0	4.0	(SCH OBL)	.0	.0	.0	.0	2.0	2.0	.0	.0	.0	.0	.0	.0	4.0	
		4.0	.0	.0	4.0	(SCH EIP)	.0	.0	.0	.0	2.0	2.0	.0	.0	.0	.0	.0	.0	4.0	
	(PU)					(ACT EIP)													.0	0%
.201	OTHER STUDIES (HL)	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	(OC)																		.0	0%
.204	OTHER STUDIES (WES)	5.0	.0	.0	5.0		.0	.0	.0	.0	.0	.0	5.0	.0	.0	.0	.0	.0	5.0	
	0 ENI100220400T00	5.0	.0	.0	5.0		.0	.0	.0	.0	.0	.0	5.0	.0	.0	.0	.0	.0	5.0	
		5.0	.0	.0	5.0		.0	.0	.0	.0	.0	.0	5.0	.0	.0	.0	.0	.0	5.0	
		5.0	.0	.0	5.0		.0	.0	.0	.0	.0	.0	5.0	.0	.0	.0	.0	.0	5.0	
	(OC)																		.0	0%
.203	OTHER STUDIES	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	(OA)																		.0	0%
	CONTRACT ONLY	0.0	.0	.0	0.0		.0	8.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.0	
	0 ENI180208C00T00	0.0	.0	.0	0.0		.0	.0	4.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	8.0	
		0.0	.0	.0	0.0		.0	8.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	
		8.0	.0	.0	0.0		.0	.0	4.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	8.0	
	(Cu)																		.0	0%
	CONTRACT ONLY	2.0	.0	.0	2.0		.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	
	0 ENI180208000T00	2.0	.0	.0	2.0		.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	
		2.0	.0	.0	2.0		.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	
		2.0	.0	.0	2.0		.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	
	(Cu)																		.0	0%
	CONTRACT ONLY	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	(Cu)																		.0	0%
	CONTRACT ONLY	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	(Cu)																		.0	0%

STUDY MANAGER: MAZZANTI

PROJECT: ARKAN[redacted]IBUTARIES SUB-STUDY (BOEUF-TENSAS BASIN) SCHEDULE OF OBLIGATIONS,EXPENDITURES AND [redacted]BURSEMENTS DATE PREPARED: 10/16/86 P[redacted] 5

TOTALS	1987 BUDGET	UNOBL '86 CO	OBL '86 CO	TOTAL AVAIL		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL PRGMD	% COMPL TO DATE
												*FY 1987 *							
TOTAL BASE OBLIGATIONS	120.0	.0	.0	120.0	(BASE OBL)	11.2	19.0	11.0	24.0	20.0	12.8	10.0	4.0	2.0	2.0	2.0	2.0	120.0	
TOTAL BASE EXPENDITURES	120.0	.0	5.1	125.1	(BASE EXP)	7.0	11.0	13.0	32.0	20.0	12.0	10.0	7.0	2.0	2.0	2.0	6.3	125.1	
TOTAL BASE UNSCHEDULED				.0														.0	
TOTAL SCH OBLIGATIONS	120.0	.0	.0	120.0	(SCH OBL)	11.2	19.0	11.0	24.0	20.0	12.0	10.0	4.0	2.0	2.0	2.0	2.0	120.0	
TOTAL SCH EXPENDITURES	120.0	.0	5.1	125.1	(SCH EXP)	7.0	11.0	13.0	32.0	20.0	12.0	10.0	7.0	2.0	2.0	2.0	6.3	125.1	
TOTAL ACTUAL EXPENDITURES					(ACT EXP)	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0%
TOTAL CURRENT UNSCHEDULED				.0														.0	
CUMULATIVE BASE OBLIGATIONS						11.2	30.2	41.2	65.2	85.2	98.0	108.0	112.0	114.0	116.0	118.0	120.0	120.0	
CUMULATIVE BASE EXPENDITURES						7.0	18.0	31.0	63.0	83.0	95.0	105.0	112.0	114.0	116.0	118.0	125.1	125.1	
CUMULATIVE SCH OBLIGATIONS						11.2	30.2	41.2	65.2	85.2	98.0	108.0	112.0	114.0	116.0	118.0	120.0	120.0	
CUMULATIVE SCH EXPENDITURES						7.0	18.0	31.0	63.0	83.0	95.0	105.0	112.0	114.0	116.0	118.0	125.1	125.1	
CUMULATIVE ACTUAL EXPENDITURES						.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
PERFORMANCE RATING (ACTUAL/BASE)						0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		0%

CURRENT SCHEDULE OF OBLIGATIONS SUMMARY

		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTALS
WESTERN TRIBUTARIES		2.0	4.0	4.0	4.0	6.0	6.0	2.0	2.0	2.0	2.0	2.0	2.0	38.8
CULTURAL RESOURCES		.0	.0	.0	1.0	2.8	.0	.0	.0	.0	.0	.0	.0	3.0
ENVIRONMENTAL		.0	.0	.0	2.0	2.0	2.0	1.0	.0	.0	.0	.0	.0	7.0
ECONOMICS		.0	.0	.0	2.8	2.0	2.0	2.0	2.0	.0	.0	.0	.0	10.0
TOTAL PLANNING	(NL)	2.0	4.0	4.0	9.0	12.8	10.0	5.0	4.0	2.0	2.0	2.0	2.0	58.8
PROGRAM DEVELOPMENT		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
HYDROLOGY & HYDRAULICS		5.0	5.0	5.0	11.0	2.0	2.0	.0	.0	.0	.0	.0	.0	30.0
FOUNDATION & MATERIALS		.0	.0	.8	.0	2.0	.0	.0	.0	.0	.0	.0	.0	2.0
DESIGN & COST		.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	2.0
RELOCATIONS		.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
REAL ESTATE		.0	.0	.0	1.0	2.0	.0	.0	.0	.0	.0	.0	.0	3.0
SURVEY & MAPPING		.0	2.0	.8	1.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0
WES		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL SUPPORT	(NL)	5.0	7.0	5.0	15.0	8.0	2.0	.0	.0	.0	.0	.0	.0	42.0
TOTAL HIRED LABOR	(NL)	7.0	11.0	9.0	24.0	20.0	12.0	5.0	4.0	2.0	2.0	2.0	2.0	100.8
LNVD EARMARKING	(OC)	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL OTHER CORPS	(OC)	.0	.0	.0	.0	.0	.0	5.0	.0	.0	.0	.0	.0	5.0
TOTAL OTHER AGENCY	(OA)	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL FISH & WILDLIFE	(OA)	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2
TOTAL CONTRACT	(Co)	.0	8.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0
TOTAL CURRENT OBLIGATION SUMMARY		11.2	19.0	11.0	24.0	20.0	12.8	10.0	4.0	2.0	2.0	2.0	2.0	120.0
TOTAL UNSCHEDULED														.0

PROJECT: ARKANSAS TRIBUTARIES SUB-STUDY (BOEUF-TENSAS BASIN) CURRENT SCHEDULE OF EXPENDITURES SUMMARY

STUDY MANAGER: MAZZANTI
DATE PREPARED: 10/16/86

		FY 1987												
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTALS
WESTERN TRIBUTARIES		2.0	4.0	4.0	4.0	6.0	6.0	2.0	2.0	2.0	2.0	2.0	2.0	38.0
CULTURAL RESOURCES		.0	.0	.0	1.0	2.0	.0	.0	.0	.0	.0	.0	.0	3.0
ENVIRONMENTAL		.0	.0	.0	2.0	2.0	2.0	1.0	.0	.0	.0	.0	.0	7.0
ECONOMICS		.0	.0	.0	2.0	2.0	2.0	2.0	2.0	.0	.0	.0	.0	10.0
TOTAL PLANNING	(ML)	2.0	4.0	4.0	9.0	12.0	10.0	5.0	4.0	2.0	2.0	2.0	2.0	58.0
PROGRAM DEVELOPMENT		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
HYDROLOGY & HYDRAULICS		5.0	5.0	5.0	11.0	2.0	2.0	.0	.0	.0	.0	.0	.0	30.0
FOUNDATION & MATERIALS		.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	2.0
DESIGN & COST		.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	2.0
RELOCATIONS		.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
REAL ESTATE		.0	.0	.0	1.0	2.0	.0	.0	.0	.0	.0	.0	.0	3.0
SURVEY & MAPPING		.0	2.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0
WES		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL SUPPORT	(ML)	5.0	7.0	5.0	15.0	8.0	2.0	.0	.0	.0	.0	.0	.0	42.0
TOTAL HIRED LABOR	(ML)	7.0	11.0	9.0	24.0	20.0	12.0	5.0	4.0	2.0	2.0	2.0	2.0	100.0
LMVD EARMARKING	(OC)	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL OTHER CORPS	(OC)	.0	.0	.0	.0	.0	.0	5.0	.0	.0	.0	.0	.0	5.0
TOTAL OTHER AGENCY	(OA)	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL FISH & WILDLIFE	(OA)	.0	.0	.0	2.0	.0	.0	.0	3.0	.0	.0	.0	4.3	9.3
TOTAL CONTRACT	(Co)	.0	.0	4.0	6.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0
TOTAL CURRENT EXPENDITURE SUMMARY		7.0	11.0	13.0	32.0	20.0	12.0	10.0	7.0	2.0	2.0	2.0	6.3	125.1
TOTAL UNSCHEDULED													.0	.0

ECONOMIC FACT SHEET
MICROCOMPUTER PROGRAM INSTRUCTIONS

1. Make a copy of this disk.

2. Economic Fact Sheet (EFS). There are three EFS files available. Two represent recent copies of EFS's for Chatfield Lake (EFSCHA.WS) and Harry S. Truman Lake (EFSHST.WS) and the third is blank (EFS.WS) for the creation or development of another of your choice. Printed copies of the three files and associated formulas are attached. The cells containing formulas have been locked to avoid over-writing when entering new data. If it is necessary to modify a formula place the cursor on the cell to be unlocked and press Control and Lock keys (Ctrl L) this will unlock that cell only. After editing or changing the formula press (Ctrl L) to return the cell to the locked condition.

3. General Features. The following guidance is equally applicable during the Test, Edit, Update, and Create paragraphs that follow. The application tests should be run in sequence and only instructions unique to each paragraph will be included.

   a. Modify Data. Be sure you are in the normal Enter mode. If you are in a Command List press the Escape (Esc) key to enter the Enter mode. Place the cursor on the appropriate cell and enter a value or text, move the cursor to the next cell.

   b. Editing. If a given cell has a number or text with only one or two digits or letters to be changed you may press the Edit (Alt E) key and move the cursor to the place to be changed, Delete the undesired character(s) and enter the correct one(s).

   c. Print. If a print of the file is desired, turn on the printer, enter the Print command (Alt P). and press the Enter key.

4. Test.

   a. Load (Alt L) the EFS file for Chatfield Lake (EFSCHA.WS) or Harry S. Truman (EFSHST.WS).

   b. Place the cursor on any component value (i.e. the interest rate, federal cost, one of the flood control components, recreation, federal O&M). Note all cells containing formulas are locked.

   c. Enter one or more new values.

   d. Recalculate (F5) the worksheet. (Note: refer to the printout of the worksheet and check the associated values that are changed.)

   e. Enter the original values as shown on the printout, Save (Alt S) and Unload (Alt U) the worksheet.

5. Edit.

a. If the date/year is to be changed, press the shift key and " to enter the the text mode before entering the new date.

b. Place the cursor on any component value (i.e. the interest rate, federal cost, one of the flood control components, recreation, federal O&M). Enter one or more new values.

c. Recalculate (F5) the worksheet. Observe changed values.

d. Save (Alt S).

6. Update.

a. If the Latest Estimate to Congress remains the same, do not edit this column.

b. If the Current Estimate at the project interest rate has become the Latest Estimate to Congress, press Escape (Esc) key, press (/) to Command List 2, Unlock (U), Formulas (F), All (A), press return.

c. Move the cursor to the Project Cost in the Current Estimate column to be moved, Copy (Alt C), Block (B) the column, and press return. Move the cursor to the same line in the column marking the destination of the data to be copied and press return. Lock (Alt L) formulas, all.

d. Place the cursor on the first component number to be changed in the next column (the new Current Estimate), enter the new number, move the cursor and make the subsequent changes.

e. Where the entries are the same in the column for current interest rate use Copy (Alt C) as described above. Change the other values as needed.

f. Recalculate (F5) the worksheet. (Note associated values will be changed.)

g. Save (Alt S).

h. Rename the saved worksheet with a digit to indicate the year the update was accomplished, i.e. EFSCHA86.

i. If a print of the file is desired, turn on the printer, enter the Print command (Alt P). and press the Enter key.

j. Make another copy of the worksheet for backup.

k. Unload (Alt U) the worksheet.

7. Create.

a. Load (Alt L) the blank EFS worksheet EFS.WS.

b. Place the cursor on the first entry to be made i.e. the Project Name, enter the name, move the cursor to each area and enter the appropriate information, including the interest rates and values.

c. When the date/year is to be entered, press the shift key and " to enter the the text mode before entering the date.

d. Recalculate (F5) the worksheet.

e. Save (Alt S).

f. Name the saved worksheet with a name and digit to indicate the year the EFS was created, i.e. EFSCHA86.

g. Make another copy of the worksheet for backup.

h. Unload (Alt U) the worksheet.

ECONOMIC FACT SHEET

Project Name:Chatfield Lake District:NRO

State:CO Date:22 April 1985

Benefits:Fair Share Last Revised:1 May 1984

	Latest Estimate to Congress	Current Estimate	
Base Oct.:	1984	1985	
Project Life (years):	100	100	100
Interest Rate:	0.03125	0.03125	0.08625
PROJECT COST	$105,260,000	$105,100,000	$105,100,000
Federal (Ultimate)	$95,800,000	$95,600,000	$95,600,000
Non-Federal (Reimbursemrnt)	$0	$0	$0
Non-Federal	$9,460,000	$9,500,000	$9,500,000
Costs Excluded from Analysis	($1,413,000)	($1,413,000)	($1,413,000)
S.S.D. Housing (-)	($9,000)	($9,000)	($9,000)
Road Betterment (-)	($1,400,000)	($1,400,000)	($1,400,000)
Cultural Resources (-)	($4,000)	($4,000)	($4,000)
Interest During Construction	$6,239,000	$6,239,000	$18,948,000
ECONOMIC COSTS	$110,086,000	$109,926,000	$122,635,000
ANNUAL ECONOMIC BENEFITS			
Flood Control	$36,169,000	$36,531,000	$23,565,000
Urban Exisiting	$15,561,000	$15,717,000	$15,717,000
Urban Future	$20,132,000	$20,333,000	$7,367,000
Rural Existing	$476,000	$481,000	$481,000
Rural Future	$0	$0	$0
Low-Flow Supplementation	$0	$0	$0
Power Downstream	$0	$0	$0
	$0	$0	$0
Recreation	$1,960,000	$1,960,000	$1,960,000
Fish and Wildlife	$253,000	$253,000	$253,000
Water Supply	$0	$0	$0
Water Quality	$0	$0	$0
Power at Site	$0	$0	$0
TOTAL ANNUAL BENEFITS	$38,382,000	$38,744,000	$25,778,000
ANNUAL ECONOMIC COSTS			
Interest and Amortization	$3,606,000	$3,601,000	$10,580,000
Federal	$3,296,000	$3,290,000	$9,760,000
Non-Federal	$310,000	$311,000	$820,000
Operation and Maintenance	$1,022,000	$1,067,000	$1,067,000
Federal	$403,000	$417,000	$417,000
Non-Federal	$619,000	$650,000	$650,000
Replacements	$20,000	$21,000	$21,000
Federal	$0	$0	$0
Non-Federal	$20,000	$21,000	$21,000
Economic Loss on Land	$0	$0	$0
Future Recreation Costs	$0	$0	$0
TOTAL ANNUAL COSTS	$4,648,000	$4,689,000	$11,668,000
BENEFIT-TO-COST RATIO	8.30	8.30	2.20

Year of Base Estimate:1955

Method of Updating:Structures - ENR Bldg.Cost Index 2/3

Contents - CPI, House Furnishings 1/3

Rural - NRC 1/2 Prices Paid and 1/2 Prices Rec'd by Farmers

ECONOMIC FACT SHEET

Project Name:Harry S. Truman District:MRO

State:MRK Date:22 April 1985

Benefits:Fair Share Last Revised:1 May 1984

	Latest Estimate to Congress	Current Estimate	
Base Oct.:	1984	1985	
Project Life (years):	100	100	100
Interest Rate:	0.03000	0.03000	0.08625
PROJECT COST	$543,000,000	$549,000,000	$549,000,000
Federal (Ultimate)	$415,875,000	$416,139,000	$416,139,000
Non-Federal (Reimbursemrnt)	$127,125,000	$132,861,000	$132,861,000
Non-Federal	$0	$0	$0
Costs Excluded from Analysis	($20,326,000)	($20,328,000)	($20,328,000)
S.S.D. Housing (-)	($629,000)	($629,000)	($629,000)
Road Betterment (-)	($16,148,000)	($16,148,000)	($16,148,000)
Cultural Resources (-)	($3,549,000)	($3,551,000)	($3,551,000)
Interest During Construction	$31,473,000	$31,604,000	$90,862,000
ECONOMIC COSTS	$554,147,000	$560,276,000	$619,534,000
ANNUAL ECONOMIC BENEFITS			
Flood Control	$16,649,000	$16,686,000	$16,080,000
Urban Exisiting	$0	$0	$0
Urban Future	$0	$0	$0
Rural Existing	$12,137,000	$12,162,000	$12,162,000
Rural Future	$1,063,000	$1,075,000	$469,000
Low-Flow Supplementation	$249,000	$249,000	$249,000
Power Downstream	$3,200,000	$3,200,000	$3,200,000
	$0	$0	$0
Recreation	$5,129,000	$5,129,000	$11,203,000
Fish and Wildlife	$891,000	$891,000	$2,874,000
Water Supply	$0	$0	$0
Water Quality	$0	$0	$0
Power at Site	$30,000,000	$30,000,000	$18,000,000
TOTAL ANNUAL BENEFITS	$52,669,000	$52,706,000	$48,157,000
ANNUAL ECONOMIC COSTS			
Interest and Amortization	$17,537,000	$17,731,000	$53,448,000
Federal	$17,537,000	$17,731,000	$53,448,000
Non-Federal	$0	$0	$0
Operation and Maintenance	$4,997,000	$5,121,000	$5,121,000
Federal	$4,997,000	$5,121,000	$5,121,000
Non-Federal	$0	$0	$0
Replacements	$262,000	$266,000	$266,000
Federal	$262,000	$266,000	$266,000
Non-Federal	$0	$0	$0
Economic Loss an Land	$1,368,000	$1,370,000	$1,370,000
Future Recreation Costs	$1,556,000	$1,585,000	$1,604,000
TOTAL ANNUAL COSTS	$25,720,000	$26,073,000	$61,809,000
BENEFIT-TO-COST RATIO	2.00	2.00	0.78

Year of Base Estimate:1963

Method of Updating:Price Index

Note: The power benefits are 1983 base values (current rate at 8-1/8% based on latest information received May 1984 from Federal Energy Regulation Commission (FERC).

PROJECT COST ESTIMATE
MICROCOMPUTER PROGRAM INSTRUCTIONS

1. Make a copy of this disk.

2. Project Cost Estimate (PCE). There are two PCE files available. One represents a copy of a PCE for Harry S. Truman Lake (PCE.WS). The second file represents a blank PCE (PCE-EX.WS) for the creation or development of another fact sheet of your choice. Printed copies of the two files and associated formulas are attached. One additional column is added to this worksheet to the right of Justification of Revision (j) column and is labeled, % Adj. Price. This to be used to insert the price level adjustment for construction work or hired labor, and is used with the % Committed to calculate the Amount of Change, Price Level (g). After the PCE is printed this column can be cut off and the PCE will resemble the original form. Note the PCE form used with this program has space for 36 line entries - twice the present number and can be printed on letter-sized paper in compressed print.

3. General Features. The following guidance is equally applicable during the Test, Edit, Update, and Create paragraphs that follow. The application tests should be run in sequence and only instructions unique to each paragraph will be included.

a. Formulas are Locked into certain cells to avoid erroneous entry of data, thus destroying the formula. These formula can be edited, when required, by first unlocking the cells.

b. Modify Data. Be sure you are in the normal Enter mode. If you are in a Command List press the Escape (Esc) key to enter the Enter mode. Place the cursor on the appropriate cell and enter a value or text, move the cursor to the next cell.

c. Editing. If a given cell has a number or text with only one or two digits or letters to be changed you may press the Edit (Alt E) key and move the cursor to the place to be changed, Delete the undesired character(s) and enter the correct one(s).

d. Print. If a print of the worksheet is desired, turn on the printer. Note if you wish to print one page of the worksheet on one page of the printer paper you must reset the printer to print only 57 lines of print per page. Return to the Main Menu (F10) and (M). Go to the Command List 3, Configure (C), and set the Lines per Page at 57. Quit (F10), return to the Command List 1 Return to the Spreadsheet (S) and Load (Alt L) the PCE file you have been working on. Enter the Print command (Alt P), set the printer at Compressed print, and press the Enter key.

4. Test.
   a. Load (Alt L) the PCE file for Harry S. Truman (PCE.WS).
   b. Place the cursor on any component value - a value that is a part of a subtotal (i.e. Amount of Change, Other (h); % Committed (i); or % Adj. Price). Note all cells containing formulas are locked.
   c. Enter one or more new values.
   d. Recalculate (F5) the worksheet. (Note refer to the printout of the original worksheet and check all the associated values that will be changed.)
   e. If it is desirable to obtain a degree of rounding of the Total Federal Cost or any component subtotal, the % Committed should be changed (or the % Adj. Price could be changed). Note in this test worksheet the % Adj. Price was manipulated to obtain the desired Price Level (g) change In the original document.
   f. Enter the original values as shown on the printout, Save (Alt S) and Unload (Alt U) the worksheet.

5. Edit.
   a. If the date/year is to be changed, press the shift key and " to enter the the text mode before entering a number.
   b Place the cursor on any component value - a value that is a part of a subtotal (i.e. Amount of Change, Other (h); % Committed (i); or % Adj. Price).
   c. Enter a new value and move the cursor to next change.
   d. Recalculate (F5) the worksheet. (Note refer to the printout of the original worksheet and check all the associated values that will be changed.)
   e. Save (Alt S) the worksheet.

6. Update.
   a. If the date/year or Cost Acct. No. (a) is to be changed, enter as text.
   b. If the Previous Cost Estimate (e) (Latest Estimate to Congress) remains the same, do not edit this column.
   c. If the Current Cost Estimate now becomes the new Previous Cost Estimate, it is only necessary to enter values of the component parts . The formulas will compute line item totals and subtotals. All values in columns (d) and (f) are computed by formula, therefore no entries need be made in these columns at any time. Note if any of the entry columns are locked (i.e. % Adj. Price), press (Ctrl L) to toggle the Lock status in the cell where the cursor is currently placed.
   d. Recalculate (F5) the worksheet.
   e. If it is desirable to obtain a degree of rounding of the Total Federal Cost or any component subtotal, the % Committed should be changed (or the % Adj. Price could be changed).
   f. Save (Alt S) the worksheet.
   g. Name the saved worksheet with a name and digit to indicate the year the update was accomplished, i.e. PCEHST86.

7. Create.

a. Load (Alt L) the PCE worksheet PCE-EX.WS.

b. Place the cursor on the first entry to be made in the first five rows identifying the PCE - do not enter the Page number or number of Pages until page format is copied (below). Enter the appropriate information. Use care not to type over headings when inputing identifying information.

c. Copy (Alt C) as many blank pages as anticipated. Page Up to the initial page.

d. Press the Esc key and place the cursor on the first blank to be filled, move the cursor to the next blank, etc.

d. Remember you are going to enter only those values that are components of totals and subtotals from the earlier PCE in the Cost Estimate, Current column (d) into the Previous column (e) of this new PCE. Also remember you are going to enter only the component amounts in the Amount of Change, Other column (h); the % Committed column (i), and the % Adj. Price column for the new PCE.

e. After a group of components is entered in column (e), place the cursor in the line where a total or subtotal is to be obtained (i.e. Line No. 1, (e)). Enter the equals sign (=) and enter the formula either by placing the cursor or writing the formula in one of several forms, i.e. sum(r19:21c6), r21c6+r23c6+r33c6, or sum(r15:19c6)+r25c6+r31c6+sum(r41:47c6).

f. When the formula is complete place the cursor in the column and line where it is totaled. Unlock formula in column (g) for rows containing subtotals or totals (copy new formula into columns as indicated below).
Copy (Alt C), select From, press Return in response to Block designation to indicate current cell is to be copied. Then move the cursor to column (g) in the same row; drop the anchor (F2), move the cursor to column (h), and press the Return. Recalculate (F5).

g. Repeat steps e and f above as you continue to create the PCE.

h. When the worksheet(s) is completed, note the number of pages, Page Up, number the pages, and enter the total number of pages on each page.

i. Save (Alt S) the worksheet.

j. Name the saved worksheet with a name and digit to indicate the year the update was accomplished, i.e. PCEHST86.

k. Unload (Alt U) the worksheet.

PROJECT COST ESTIMATE (PB-3)
(Amounts - Thousands of Dollars)

DIVISION: MISSOURI RIVER
DISTRICT: KANSAS CITY
APPROPRIATION TITLE: 96X3122 CONSTRUCTION, GENERAL
CLASS: FLOOD CONTROL - RESERVOIR

REPORTS CONTROL SYMBOL: OAEN-CWB-13
PROJECT: HARRY S. TRUMAN DAM & LAKE
DATE PREPARED: 26 APR 85
EFF. DATE: 1 OCT 85

LINE NO.	COST ACCT. NO.	ITEM	% H.L.	COST ESTIMATE CURRENT	COST ESTIMATE PREVIOUS	AMOUNT OF CHANGE TOTAL	AMOUNT OF CHANGE PRICE LEVEL	AMOUNT OF CHANGE OTHER	% COMMITTED	JUSTIFICATION OF REVISION
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	01.	LANDS AND DAMAGES	16	117,148.0	117,070.0	78.0	0.0	78.0	100	
2		Lands and Improvements		112,887.0	112,887.0	0.0	0.0	0.0	100	
3		Recreation Land (Cost Sharing)		0.0	0.0	0.0	0.0	0.0	100	
4		Uniform Relocations Assistance		4,261.0	4,183.0	78.0	0.0	78.0	100	Refinement of estimate.
5	02.	RELOCATIONS		145,357.9	145,121.0	237.0	30.0	207.0	99	
6	.1	ROADS		89,713.9	89,712.0	1.9	1.0	1.0	100	
7		Completed State Hwy & Co. Road								
8		Relocations	+	86,654.0	86,654.0	0.0	0.0	0.0	100	
9		Lands & Damages	29	2,744.0	2,744.0	0.0	0.0	0.0	100	
10		Road Alteration, Downstream (83-								
11		C-0056)	0	8.0	8.0	0.0	0.0	0.0	100	
12		Bridge Removal, Onstr. (882-C-								
13		0206)	0	50.0	50.0	0.0	0.0	0.0	100	
14		Replace Culvert, HE-32 (883-C-								
15		0056)	0	95.0	95.0	0.0	0.0	0.0	100	
16		Distributive Costs	100	161.0	160.0	1.0	1.0	0.0	60	Included in Completed Work, above.
17	.4	RAILROADS		17,702.0	17,700.0	2.0	2.0	0.0	100	
18		Lands and Damages	13	396.0	396.0	0.0	0.0	0.0	100	
19		Completed Work	0	16,524.0	16,524.0	0.0	0.0	0.0	100	
20		M-K-T RR--with owner (870-C-0020)		712.0	712.0	0.0	0.0	0.0	100	
21		Distributive Costs	100	70.0	68.0	2.0	2.0	0.0	0	
22	.7	CEMETERIES, UTILITIES & STRUCTURES		37,942.0	37,709.0	233.0	27.0	206.0	97	
23		Lands and Damages	32	379.0	379.0	0.0	0.0	0.0	100	
24		Completed Work--Cemeteries &								
25		Utilities	0	11,284.0	11,284.0	0.0	0.0	0.0	100	
26		KAMO Elec Coop Inc (875-C-0018)	0	7,834.0	7,834.0	0.0	0.0	0.0	100	
27		MO Public Service Co Transmis-								
28		sion Lines (875-C-0063)	0	2,000.0	2,000.0	0.0	0.0	0.0	100	
29		MO Public Service Co Distribu-								
30		tion Lines (876-C-0075)	0	1,447.0	1,447.0	0.0	0.0	0.0	100	
31		United Telephone Co (876-C-00071	0	1,196.0	1,196.0	0.0	0.0	0.0	100	
32		General Telephone Co (876-C-0092	0	375.0	375.0	0.0	0.0	0.0	100	
33		City of Clinton, Phase II, Sewer								To include two additional years of funding for O&M expenses
34		Facils (877-C-0129)	0	8,255.0	8,050.0	205.0	0.0	205.0	100	under this appropriation.
35		City of Deepwater (876-C-0034)	0	1,690.0	1,690.0	0.0	0.0	0.0	100	
36		St. Clair Co Jail	0	1,147.0	1,120.0	27.0	27.0	0.0	0	

A00062

PROJECT COST ESTIMATE (P8-3)
(Amounts - Thousands of Dollars)

DIVISION: MISSOURI RIVER
DISTRICT: KANSAS CITY

APPROPRIATION TITLE: 96X3122 CONSTRUCTION, GENERAL
CLASS: FLOOD CONTROL - RESERVOIR

REPORTS CONTROL SYMBOL: DAEN-CWB-13

PROJECT: HARRY S. TRUMAN DAM & LAKE

DATE PREPARED: 26 APR 85
EFF. DATE: 1 OCT 85

LINE NO.	COST ACCT. NO.	ITEM	% H.L.	COST ESTIMATE CURRENT	COST ESTIMATE PREVIOUS	AMOUNT OF CHANGE TOTAL	AMOUNT OF CHANGE PRICE LEVEL	AMOUNT OF CHANGE OTHER	% COMMITTED	JUSTIFICATION OF REVISION
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1		Mo Pb Sv Co-Osceola & Clinton								
2		Water System (879-C-0008)	0	2,202.0	2,202.0	0.0	0.0	0.0	100	
3		Mo Pb Sv Co - Downstream Power								
4		lines (76-0075 & 82-0323)	0	78.0	78.0	0.0	0.0	0.0	100	
5		United Telephone Co-Downstream								
6		Tele Lines (876-C-0007 & 82-0490)	0	16.0	16.0	0.0	0.0	0.0	100	
7		Distributive Costs	100	39.0	38.0	1.0	0.0	1.0	100	Actual costs distributed.
8	03.	RESERVOIR		17,771.0	17,765.0	6.0	6.0	0.0	99	
9		Completed Work	+	15,735.0	15,735.0	0.0	0.0	0.0	100	
10		Selective Clearing	85	346.0	345.0	1.0	1.0	0.0	90	
11		Remainder--Boundary Surveys &								
12		Marking	100	1,603.0	1,598.0	5.0	5.0	0.0	88	
13		Boundary Surveys & Marking--Down-								
14		stream	100	65.0	65.0	0.0	0.0	0.0	100	
15		Distributive Costs	100	22.0	22.0	0.0	0.0	0.0	100	
16										
17	04.	DAM		52,807.0	52,701.0	106.0	44.0	62.0	96	
18		Completed Work	0	47,323.0	47,323.0	0.0	0.0	0.0	100	
19		Observation Devices	100	318.0	317.0	1.0	1.0	0.0	88	
20		Outlet Channel Erosion Repair	0	276.0	270.0	6.0	6.0	0.0	0	
21		Install Anodes on Tainter Gates	0	62.0	0.0	62.0	0.0	62.0	0	Required to prevent corrosion of hoist cables.
22		Cover Roadway Hatches & Powerhouse	100	9.0	8.0	1.0	1.0	0.0	0	
23		New Spillway Bulkhead	0	166.0	162.0	4.0	4.0	0.0	0	
24		Distributive Costs	100	4,653.0	4,621.0	32.0	32.0	0.0	70	
25										
26	06.	FISH & WILDLIFE FACILITIES		517.0	517.0	0.0	0.0	0.0	100	
27		Completed Work	0	419.0	419.0	0.0	0.0	0.0	100	
28		Beck Cave--Stockpile Levee Mat'l								
29		(878-C-0123)	0	98.0	98.0	0.0	0.0	0.0	100	
30										
31	07.	POWER PLANT		102,611.0	97,223.0	5,388.0	13.0	5,375.0	99	
32	.1	POWERHOUSE		50,754.0	45,418.0	5,336.0	6.0	5,330.0	99	
33		Completed Work	0.	42,485.0	42,338.0	147.0	0.0	147.0	100	Interpretive Exhibitry, Contract No. 82-C-0130.
34		Interpretive Exhibitry (882-C-								
35		0130)	100	0.0	147.0	-147.0	0.0	-147.0	100	Included in completed Work, above.
36										

PROJECT COST ESTIMATE (PB-3)
(Amounts - Thousands of Dollars)

DIVISION: MISSOURI RIVER
DISTRICT: KANSAS CITY
APPROPRIATION TITLE: 96X3122 CONSTRUCTION, GENERAL
CLASS: FLOOD CONTROL - RESERVOIR

REPORTS CONTROL SYMBOL: DAEN-CWB-13
PROJECT: HARRY S. TRUMAN DAM & LAKE
DATE PREPARED: 26 APR 85
EFF. DATE: 1 OCT 85

LINE NO.	COST ACCT. NO.	ITEM	% H.I.	COST ESTIMATE CURRENT	COST ESTIMATE PREVIOUS	AMOUNT OF CHANGE TOTAL	AMOUNT OF CHANGE PRICE LEVEL	AMOUNT OF CHANGE OTHER	% COMMITTED	JUSTIFICATION OF REVISION
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1		Additional Powerhouse Exhibitry								
2		(884-C-0146)	0	27.0	27.0	0.0	0.0	0.0	100	
3		Additional Gates & Hoists	0	4,648.0	0.0	4,648.0	0.0	4,648.0	0	To insure timely gate closure during emergency conditions.
4		Clean & Paint Draft Tube Liner	0	647.0	0.0	647.0	0.0	647.0	0	To correct corrosion problems.
5		New Draft Tube Access	100	75.0	40.0	35.0	0.0	35.0	0	Refinement of estimate.
6		Distributive Costs	86	2,872.0	2,866.0	6.0	6.0	0.0	92	
7	.2	TURBINES AND GENERATORS		37,135.0	37,093.0	42.0	4.0	38.0	99	
8		Completed Work	0	7,132.0	6,765.0	367.0	0.0	367.0	100	Includes Heat Exchangers, (+48), Spare Stub Shaft Bearing
9		Procure Turbines(868-0131)	0	9,729.0	9,729.0	0.0	0.0	0.0	100	Pads (+64), & St. Shaft Bearing Mod & Oil Cool. Equip.(+255).
10		Procure & Install Generators								
11		(874-C-0018)	0	15,586.0	15,594.0	-8.0	0.0	-8.0	100	Reduction of contingencies.
12		Heat Exchangers (884-C-0078)	0	0.0	48.0	-48.0	0.0	-48.0	100	Included in Completed Work, above.
13		Procure Governors (875-C-0138)	0	1,686.0	1,686.0	0.0	0.0	0.0	100	
14		GFS - Support by Operations Div.	98	872.0	826.0	46.0	0.0	46.0	94	Previous estimates for several items of work were inadequate
15		Procure spare Stub Shaft Bearing								
16		Pads (883-C-0142)	0	0.0	64.0	-64.0	0.0	-64.0	100	Included in Completed Work, above.
17		Stub Shaft Bearing Mod & Oil Co-								
18		oling Water Chemical Feed								
19		Equip (883-C-0158)	0	0.0	255.0	-255.0	0.0	-255.0	100	Included in Completed Work, above.
20		Distributive Costs	86	2,130.0	2,126.0	4.0	4.0	0.0	92	
21	.3	SWITCHYARD, ACCESSORY AND MISCEL-								
22		LANEOUS, TAILRACE		14,722.0	14,712.0	10.0	3.0	7.0	99	
23		Completed Work	0	12,049.0	11,818.0	231.0	0.0	231.0	100	Includes Misc. Pwr. Plt. Equip. (+224) & additional billing
24		Main Control Board (876-C-0134)	0	1,449.0	1,449.0	0.0	0.0	0.0	100	for mod. & erect. engr. sv. on 13.8 KV Switchgear & Bus (+7).
25		Misc. Power Plant Equipment	0	0.0	224.0	-224.0	0.0	-224.0	100	Included in Completed Work, above.
26		Procure Oil Purifier(883-C-0151)	0	19.0	19.0	0.0	0.0	0.0	100	
27		Distributive Costs	86	1,205.0	1,202.0	3.0	3.0	0.0	92	
28	08.	ROADS		1,679.0	1,679.0	0.0	0.0	0.0	100	
29		Completed Work	0	1,669.0	1,669.0	0.0	0.0	0.0	100	
30		Distributive Costs	100	10.0	10.0	0.0	0.0	0.0	82	
31	09.	CHANNELS		182.0	182.0	0.0	0.0	0.0	100	
32		Erosion Control, Dnstr.(883-C-0056)	0	180.0	180.0	0.0	0.0	0.0	100	
33		Distributive Costs	100	2.0	2.0	0.0	0.0	0.0	100	
34	11.	LEVEES		2,703.0	2,679.0	24.0	7.0	17.0	90	
35		Completed Work USGS-Install Gages	0	18.0	18.0	0.0	0.0	0.0	100	
36										

PROJECT COST ESTIMATE (P8-3)
(Amounts - Thousands of Dollars)

DIVISION: MISSOURI RIVER
DISTRICT: KANSAS CITY

APPROPRIATION TITLE: 96X3122 CONSTRUCTION, GENERAL
CLASS: FLOOD CONTROL - RESERVOIR

REPORTS CONTROL SYMBOL: DAEN-CWB-13

PROJECT: HARRY S. TRUMAN DAM & LAKE

DATE PREPARED: 26 APR 85
EFF. DATE: 1 OCT 85

LINE NO.	COST ACCT. NO.	ITEM	% M.L.	COST ESTIMATE CURRENT	COST ESTIMATE PREVIOUS	AMOUNT OF CHANGE TOTAL	AMOUNT OF CHANGE PRICE LEVEL	AMOUNT OF CHANGE OTHER	% COMMITTED	JUSTIFICATION OF REVISION
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1		Right Bank Levee, Downstream (#83-								
2		C-0056)	0	1,634.0	1,634.0	0.0	0.0	0.0	100	
3		Right Bank Plantings	0	47.0	46.0	1.0	1.0	0.0	0	
4		Left Bank Levee Dnstr.(#82-C-0206)	0	728.0	711.0	17.0	0.0	17.0	100	Contract modifications.
5		Left Bank Plantings	0	12.0	11.0	1.0	1.0	0.0	0	
6		Distributive Costs	100	264.0	259.0	5.0	5.0	0.0	22	
7	14.	RECREATION FACILITIES		41,047.0	40,249.0	798.0	179.0	619.0	80	
8		Completed Work	0	15,033.0	14,533.0	500.0	0.0	500.0	100	Includes Forestation & Revegetation, Contr. No. 81-C-0026.
9		Forestation & Revegetation (#81-								
10		C-0026)	0	0.0	500.0	-500.0	0.0	-500.0	100	Included in Completed Work, above.
11		Remaining Forestation	0	635.0	620.0	15.0	15.0	0.0	0	
12		Recreation Facil. Stg. 1(#78-C-0123)	0	3,730.0	3,730.0	0.0	0.0	0.0	100	
13		Recreation Facilities Stage 3	0	429.0	419.0	10.0	10.0	0.0	0	
14		Recreation Facilities Stage 5	0	1,360.0	1,328.0	32.0	32.0	0.0	0	
15		Recreation Facilities Stage 7	0	4,426.0	4,175.0	251.0	100.0	151.0	0	Est. Cost of Shawnee Bend electrical connections transferred
16		PUA Dvlpmt, Sparrowfoot & Talley								from Stage 15.
17		Bend Areas:		4,784.0	4,328.0	456.0	4.0	452.0	96	
18		Stage 13 (#83-C-0119)	0	4,505.0	4,025.0	480.0	0.0	480.0	100	Modifications and overruns.
19		Electrical Connections	0	20.0	48.0	-28.0	0.0	-28.0	0	Reduction due to deletion of connection charge for Sparrow-
20		Misc. Recreation Equipment	35	231.0	228.0	3.0	3.0	0.0	52	foot Area.
21		Traffic Cntrl & Direct. Equip.	100	28.0	27.0	1.0	1.0	0.0	0	
22		PUA Dvlpmt, Berry Bend Area:		5,314.0	5,283.0	31.0	4.0	27.0	93	
23		Stage 14 (#83-C-0137)	0	4,902.0	4,902.0	0.0	0.0	0.0	100	
24		Electrical Connections	0	85.0	58.0	27.0	0.0	27.0	0	Receipt of proposal.
25		Misc. Recreation Equipment	34	309.0	305.0	3.0	3.0	0.0	0	
26		Traffic Cntrl. & Direct. Equip.	100	19.0	18.0	1.0	1.0	0.0	0	
27		PUA Dvlpmt, Shawnee Bend, Bledsoe								
28		Ferry, & Thibaut Point areas:		2,766.0	2,794.0	-28.0	1.0	-29.0	91	
29		Stage 15 (#83-C-0169)	0	2,643.0	2,518.0	125.0	0.0	125.0	100	Modifications and overruns.
30		Electrical Connections	0	18.0	174.0	-156.0	0.0	-156.0	0	Receipt of proposals(-5). Trans to Stg.7 of connection cost
31		Misc. Recreation Equip.	33	82.0	80.0	2.0	0.0	2.0	34	to hook up facilities included there (-151).
32		Traffic Cntrl. & Direct. Equip.	100	23.0	22.0	1.0	1.0	0.0	0	/ Refinement of Estimate.
33		Misc. Recreation Facilities	15	1,063.0	1,059.0	4.0	12.0	-8.0	54	Trans. of est. cost for Exhibit Bull. Bds. to sep. line below.
34		Exhibit Bulletin Boards	40	11.0	0.0	11.0	0.0	11.0	0	Trans. from Misc. Rec. Fac., above (+8). Refine. est. (+3).
35		Amphitheater, Berry Bend Area	40	10.0	0.0	10.0	0.0	10.0	0	Inadvertedly deleted from previous Misc. Rec. Fac.
36		Park Entry, Sign, Talley Bend Area	40	3.0	0.0	3.0	0.0	3.0	0	New item of work.

PROJECT COST ESTIMATE (PB-3)
(Amounts - Thousands of Dollars)

DIVISION: MISSOURI RIVER
DISTRICT: KANSAS CITY
APPROPRIATION TITLE: 96X3122 CONSTRUCTION, GENERAL
CLASS: FLOOD CONTROL - REGERVOIR

REPORTS CONTROL SYMBOL: DAEN-CWB-13
PROJECT: HARRY S. TRUMAN DAM & LAKE
DATE PREPARED: 26 APR 85
EFF. DATE: 1 OCT 85

LINE NO.	COST ACCT. NO.	ITEM	% H.L.	COST ESTIMATE CURRENT	COST ESTIMATE PREVIOUS	AMOUNT OF CHANGE TOTAL	AMOUNT OF CHANGE PRICE LEVEL	AMOUNT OF CHANGE OTHER	% COMMITTED	JUSTIFICATION OF REVISION
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1		Harbor Downstreae (#82-C-0206)	0	1,287.0	1,281.0	6.0	0.0	6.0	100	Modifications.
2		Curbs & Gutters, Bucksaw PUA (#83-								
3		C-0137)	0	24.0	33.0	-9.0	0.0	-9.0	100	Based on actual cost for modification.
4		Grading & Riprap, Sterett Creek								
5		PUA (#83-C-0056)	0	42.0	42.0	0.0	0.0	0.0	100	
6		Downstream Plantings	0	36.0	31.0	5.0	0.0	5.0	0	Receipt of bids.
7		Distributive Costs	100	94.0	93.0	I.0	I.0	0.0	78	
8	18.	CULTURAL RESOURCES PRESERVATION		2,417.0	2,415.0	2.0	0.0	2.0	100	Includes Contr. #77-C-0132, below (+960) and reconstruction of
9		Coepleted Work	0	2,401.0	1,381.0	1,020.0	0.0	I,020.0	100	of Hooper House, below (+57 plus overrun +3).
10		Archeological Preservation (#77-C-								
11		0312)	0	0.0	961.0	-961.0	0.0	-961.0	100	Included in Completed Work, above (+960). Due to rounding
12		Historical Archeological Sites on								cost (-I).
13		Flood Easeeent Lands	100	0.0	57.0	-57.0	0.0	-57.0	100	Included in Completed Work, above.
14		Archeological Mitigation Downstream								
15		--Riprap Site (#83-C-0056)	0	I5.0	15.0	0.0	0.0	0.0	100	
16		Distributive Costs	100	1.0	1.0	0.0	0.0	0.0	100	
17	19.	BUILDINGS, GROUNDS & UTILITIES		4,709.0	4,689.0	20.0	10.0	10.0	91	
18		Completed Work	0	3,974.0	3,809.0	165.0	0.0	165.0	100	Includes Interior Alterations to Adein Building, below.
19		Satellite Maintenance Building	17	419.0	409.0	10.0	10.0	0.0	0	
20		Interior Alterations to Adeinistr-								
21		ation Building (#C83-C-0173)	0	0.0	165.0	-165.0	0.0	-165.0	100	Included in Completed Work, above
22		Visitor Center Sewage Treateent								
23		Plant Enclosure (#83-C-0169)	0	72.0	72.0	0.0	0.0	0.0	100	
24		Additional Visitor Center Exhibi-								
25		try (#84-C-0146)	0	161.0	161.0	0.0	0.0	0.0	100	
26		Visitor Center Sign	40	10.0	10.0	0.0	0.0	0.0	100	
27		Proj. ID Signs-Access Roads A & B	40	10.0	0.0	10.0	0.0	10.0	100	New item of work.
28		Distributive Costs	100	63.0	63.0	0.0	0.0	0.0	86	
29	20.	PERMANENT OPERATING EQUIPMENT		1,624.0.	1,615.0	9.0	9.0	0.0	81	
30		Radio Equipeent	0	80.0	79.0	1.0	1.0	0.0	53	
31		Maintenance Equipaent & Seall Tools	0	1,181.0	1,176.0	5.0	5.0	0.0	83	
32		Establisheent Sedieentation & De-								
33		gradation Ranges	52	363.0	360.0	3.0	3.0	0.0	79	
34										
35										
36										

PROJECT COST ESTIMATE (PB-3)
(Amounts - Thousands of Dollars)

DIVISION: MISSOURI RIVER
DISTRICT: KANSAS CITY
APPROPRIATION TITLE: 96X3122 CONSTRUCTION, GENERAL
CLASS: FLOOD CONTROL - RESERVOIR

REPORTS CONTROL SYMBOL: DAEN-CWB-13
PROJECT: HARRY S. TRUMAN DAM & LAKE
DATE PREPARED: 26 APR 85
EFF. DATE: 1 OCT 85
PAGE 6 OF 6 PAGES

LINE NO.	COST ACCT. NO.	ITEM	% H.L.	COST ESTIMATE CURRENT	COST ESTIMATE PREVIOUS	AMOUNT OF CHANGE TOTAL	AMOUNT OF CHANGE PRICE LEVEL	AMOUNT OF CHANGE OTHER	% COMMITTED	JUSTIFICATION OF REVISION
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	30.	ENGINEERING AND DESIGN	84	35,754.0	36,484.0	-730.0	0.0	-730.0	91	Reanalysis of work remaining at 1 Oct 1985 prices.
2		Fish and Wildlife Studys (Included		0.0	0.0	0.0	0.0	0.0	100	
3		above)		0.0	0.0	0.0	0.0	0.0	100	
4		Transfers to USFW		(31)	(31)	0.0	0.0	0.0	100	
5		Other		(711)	(711)	0.0	0.0	0.0	100	
6		Cultural Resources (included above)		(1,134)	(1,134)	0.0	0.0	0.0	100	
7	31.	SUPERVISION AND ADMINISTRATION		25,210.0	25,148.0	62.0	62.0	0.0	89	
8	91.2	TRANSFER OF COST OR PROPERTY--								
9		OTHER TRANSFERS		-2,633.0	-2,633.0	0.0	0.0	0.0	100	
10		TOTAL FEDERAL COST		548,903.9	542,904.0	6,000.0	360.0	5,640.0	97	

ROUTING INFORMATION [ ]
TO:
THEN TO:

APPROP 3121 GENERAL INVESTIGATIONS
PROJECT NAME: SAN FRANCISCO BAY SHORELINE STUDY - I (011)
STAGE: FEAS CWIS #: 10093A

PROJECT MANAGER: MINER, S. SPNFE-A
RESPONSIBLE DIVISION CHIEF: ANGELONI, D. SPNFE
PRIME RMO ANALYST: DOYLE, V. SPNRM-M

TASK/COST CODE TITLE / COST CODE / PERFORMING ORGANIZATION	ORG	P	O	C	TOT AVL EX UND	S+A VS AVL ORD	C-I	% OBL	% EXP	OCT AOBL AEXP TO DATE	NOV AOBL AEXP SCHED	DEC AOBL AEXP INFO:	JAN AOBL AEXP SCH ST DT	FEB OBL EXP ACT ST DT	MAR OBL EXP SLIP-WKS	APR OBL EXP SCH EFIN DT	MAY OBL EXP SCH LFIN DT	JUN OBL EXP ACT FIN DT	JUL OBL EXP	AUG OBL AUG EXP	SEP OBL SEP EXP	UNSC OBL UNSC EXP LAST UPDATED
IN-HSE INT I ECON ST ECON APPENDIX	**				13.0	-1.5			0.0	0.0	7.5	0.0	1.5	0.5	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AASH102070G2001	**				13.0	-1.5	**		0.0	0.0	7.5	0.0	1.5	0.5	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PLAN FORMULATION BRANCH EC-L						0.0		69.2	69.2		SCHED	INFO: 10/01/86	/ /		0	12/01/86	12/03/86	/ /				02/10/87
MM-INT 1-ENV ST EX FWM-EIS IST DRFT	**				50.0	0.2	**		1.5		0.0	1.8	1.3	6.0	6.0	6.2	6.0	6.0	5.0	5.0	5.0	0.0
AASH1020500000I	**				50.0	0.2	**		1.5		0.0	1.8	1.3	6.0	6.0	6.2	6.0	6.0	5.0	5.0	5.0	0.0
ENVIRONMENTAL BRANCH EE-L						0.0		9.2	9.2		SCHED	INFO: 10/01/86	/ /		0	05/17/87	05/18/87	/ /				02/10/87
IN-HSE LBR INT I GENERAL	**				35.0	3.0	**		10.5		7.8	4.4	1.0	3.0	3.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0
AASH1020000LGEN	**				35.0	3.0	**		10.5		7.8	4.4	1.0	3.0	3.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0
ENVIRONMENTAL BRANCH EE-L						0.0		67.7	67.7		SCHED	INFO: 10/01/86	/ /		0	09/30/87	10/01/87	/ /				02/10/87
IN-HSE INT I DES&CST ALT LVL PROT	**				6.0	0.1	**		0.0		3.1	2.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AASH1021100000O	**				6.0	0.1	**		0.0		3.1	2.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DESIGN BRANCH EG-L						0.0		90.3	90.3		SCHED	INFO: 10/01/86	/ /		0	10/31/86	12/03/86	/ /				02/10/87
IN-HSE INT I STUDY MGMT	**				80.0	2.1	**		4.7		0.8	3.1	4.5	6.6	7.6	7.6	7.6	7.6	9.1	9.6	9.1	0.0
AASH1021302000I	**				80.0	2.1	**		4.7		0.8	3.1	4.5	6.6	7.6	7.6	7.6	7.6	9.1	9.6	9.1	0.0
ENVIRONMENTAL BRANCH EE-L						0.0		16.4	16.4		SCHED	INFO: 10/01/86	/ /		0	09/30/87	10/01/87	/ /				02/10/87
IN-HSE NON-LBR INT I GENERAL	**				12.9	-1.0	**		0.0		0.0	0.1	2.0	1.0	1.0	1.0	1.0	1.9	2.0	2.0	1.9	0.0
AASH102000NGEN	**				14.1	-0.5	**		0.0		0.0	0.1	1.5	1.0	1.0	1.0	1.0	1.9	2.0	2.0	1.9	1.2
ENVIRONMENTAL BRANCH EE-N						0.0		16.3	11.3		SCHED	INFO: 09/30/86	/ /		0	09/29/87	10/01/87	/ /				02/10/87
SACTO DIST 2544 REAL EST COST VERIF	**				10.0	0.0	**		0.0		0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AASH102111M000I	**				10.0	0.0	**		0.0		0.0	0.0	0.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENVIRONMENTAL BRANCH EE-D						0.0		0.0	0.0		SCHED	INFO: 12/01/86	/ /		0	01/31/87	02/02/87	/ /				01/27/87
RECREATION ANALYSIS-SACTO INT-I	**				0.0	0.0	**		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AASH1022010000I	**				3.2	0.0	**		3.2		0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENVIRONMENTAL BRANCH EE-D						3.2	*****		100.0		SCHED	INFO: 09/30/86	/ /		0	11/30/86	12/03/86	/ /				02/10/87
85-D-0046/3 H&H CONTRACT NOLTE & AS	**				0.0	0.0	**		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AASH10209A0000I SOC	**				2.7	0.1	**		0.0		1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WATER RESOURCES BRANCH EF-C						2.7	*****		96.3		SCHED	INFO: 09/30/86	/ /		0	12/15/86	12/18/86	/ /				02/10/87

In headings: S+A VS AVL = Funds Available minus Scheduled amounts for current month and beyond minus Actuals. Actual amounts indicated by header changes to AOBL and AEXP. EFIN and LFIN are Early and Late finish dates.
BASIS: THIS REPORT INCLUDES JAN 87 ACTUALS BUT NO RESCHEDULING ACTIONS IN RESPONSE TO THOSE ACTUALS.

SPNRM-M PETS DETAIL PROJECT FORMAT A - RPT # 1.1
FY 1987 - SAN FRANCISCO DISTRICT PROJECT EXECUTION AND TRACKING SYSTEM - ALL APPROPRIATIONS
DETAILED REPORT - INCLUDING THE ACTUAL AMOUNTS FOR OCT THRU JAN - ALL EFFORT CODES

ROUTING INFORMATION ( )
TO:
THEN TO:

APPROP 3121 GENERAL INVESTIGATIONS
PROJECT NAME: SAN FRANCISCO BAY SHORELINE STUDY - I (GI)
STAGE: FEAS CWIS #: 10093A

PROJECT MANAGER: MINER, S. SPNPE-R
RESPONSIBLE DIVISION CHIEF: ANGELONI, D. SPNPE
PRIME RMO ANALYST: DOYLE, V. SPNRM-M

TASK/COST CODE TITLE / COST CODE / PERFORMING ORGANIZATION	ORG	P	O	C	** TOT AVL OB / ** TOT AVL EX	S+A VS AVL UND	S+A VS AVL ORD	S+A VS AVL C-I	** % OBL	OCT AOBL / OCT AEXP / % EXP TO DATE	NOV AOBL / NOV AEXP / SCHED	DEC AOBL / DEC AEXP / INFO: SCH ST DT	JAN AOBL / JAN AEXP / ACT ST DT	FEB OBL / FEB EXP /	MAR OBL / MAR EXP / SLIP-WKS	APR OBL / APR EXP / SCH EFIN DT	MAY OBL / MAY EXP / SCH LFIN DT	JUN OBL / JUN EXP / ACT FIN DT	JUL OBL / JUL EXP / **	AUG OBL / AUG EXP	SEP OBL / SEP EXP / **	UNSC OBL / UNSC EXP / LAST UPDATED
2544 B USFHW 6 DRFT CAR	**				60.0		0.0		**	0.0	0.0	0.0	0.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AASH102067F2001	**				45.5		-3.6		**	-12.8	3.5	1.0	4.6	15.0	15.0	15.5	13.0	5.0	5.0	4.3	0.0	0.0
ENVIRONMENTAL BRANCH EE-B						5.5	0.0	-5.6			SCHED	INFO: 09/30/86	/ /		0	04/01/87	04/02/87	/ /				02/10/87
TECH DIV: P/ENG - ADJUSTING ENTRY	**				0.0		0.0		**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AASH[0000000ADJ	**				0.5		0.0		**	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ADJ ENTRY PLANNING/ENGR DIVISION ME-M						0.0	*****	100.0			SCHED	INFO: / /	/ /	.	0	/ /	/ /	/ /				02/10/87
********** TOTALS FOR AASH1 SAN FRANCISCO BAY SHORELINE STUDY - I (GI) - ALL EFFORT CODES **********	**				266.9		2.9	**		16.7	19.2	11.4	11.1	87.1	22.6	17.1	14.6	15.5	16.1	16.6	16.0	0.0
	**				280.0		-0.1	**		7.1	24.1	13.6	15.7	37.1	42.6	32.6	27.6	20.5	21.1	20.9	16.0	1.2
CUMULATIVE OBLIGATIONS										16.7	35.9	47.3	58.4	145.5	MAR.1	185.7	199.8	215.3	231.4	248.0	264.0	264.0
CUMULATIVE EXPENDITURES										7.1	31.2	44.8	60.5	97.6	140.2	172.8	200.4	220.9	242.0	262.9	278.9	280.1

PROJECT LEVEL RMO FUNDING INFORMATION:

	PFY INIT U/O	PFY U/O DEOB	PFY UNOBL	CFY INIT ALL	CFY ADJ ALL	CFY ANTIC ALL	CFY ACT TRANS	CFY ANTIC TRANS	TOT AVAIL	COEMIS TO DATE	DIFFERENCE: COEMIS VS PETS TASK
OBLIGATION:		0.0	21.9	245.0	0.0	0.0	0.0	0.0	266.9	0.0	-244.0
EXPENDITURE:	13.1		21.9	245.0	0.0	0.0	0.0	0.0	280.0	0.0	280.1

In headings: S+A VS AVL = Funds Available minus Scheduled amounts for current month and beyond minus Actuals. Actual amounts indicated by header changes to AOBL and AEXP. EFIN and LFIN are Early and Late finish dates.
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FY 1987 SAN FRANCISCO DISTRICT PROJECT EXECUTION [illegible] TRACKING SYSTEM ENGINEERING DIVISION ONLY - BY ORGANIZATION
ORGANIZATION WORK ITEM TRACKING REPORT - BASED ON [illegible] OCT THRU JAN FIGURES - EXPENDITURES ONLY - ALL EFFORT CODES

SECTION: WATER RESOURCES BRANCH EF

PROJECT/SURVEY NAME / TASK /COST CODE/ NAME	COST CODE	PROJ MANAGER SEC	STG	TOT COST -CUR YR	% $ EXP	PAST MONTH - JAN ACTUAL	SCH-CUR	OCT ACT EXP	NOV ACT EXP	DEC ACT EXP	JAN ACT EXP	FEB CUR SCH	FEB CUR EXP	MAR CUR SCH	MAR CUR EXP	APR CUR SCH	APR CUR EXP	LAST UPDATED MAY CUR SCH	MAY CUR EXP	CUR SCH JUN CUR SCH	CUR SCH JUN CUR EXP	ESTART JUL CUR SCH	ESTART JUL CUR EXP	CUR SCH AUG CUR SCH	CUR SCH AUG CUR EXP	EFIN SEP CUR SCH	EFIN SEP CUR EXP	CUR SCH LFIN $ AVL- ACT-SCH
CITY OF NAVATO FLOOD INSURANCE STUDY - CG (NFO)		K. Aasen																02/10/87				10/01/86		08/01/87				09/02/87
IN-HSE HYDRAULIC STUDIES NOVATO	BZ581382I040000	EF-L	NFO	54.0	19	5.6	6.0	0.9	0.2	3.4	5.6	6.5	6.5	6.5	6.5	6.5	6.1	6.5	6.5	6.1	4.9	0.0	0.4					0.4
CITY OF NAVATO FLOOD INSURANCE STUDY - CG (NFO)		K. Aasen																01/27/87				12/01/86		06/02/87				09/02/87
IN-HSE CONDUCT VERIF OF PROFILES	BZ581382I060000	EF-L	NFO	1.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0					0.0
CITY OF NAVATO FLOOD INSURANCE STUDY - CG (NFO)		K. Aasen																01/27/87				01/01/87		08/02/87				09/02/87
IN-HSE DRAFT MAPS NOVATO	BZ581382I070000	EF-L	NFO	11.9	0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	0.0	0.0	0.0	0.0					2.0
CITY OF NAVATO FLOOD INSURANCE STUDY - CG (NFO)		K. Aasen																01/27/87				02/01/87		09/02/87				09/02/87
IN-HSE PREP FLD ELEV RPT	BZ581382I080000	EF-L	NFO	5.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	1.1	0.0					0.0
CITY OF PETALUMA FLOOD INSURANCE STUDY - CG (NFO)		MATHIESEN																02/10/87				10/01/86		01/28/87				03/31/87
MAIN-HSE HYDRAULIC STUDIES PETALUMA	BZ583382I040000	EF-L	NFO	28.8	49	10.1	9.8	0.3	0.9	2.8	10.1	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					-0.3
COORDINATION WITH BUREAU OF RECLAMATION (GI)		Brick, D.																02/10/87				10/01/86		10/01/87				10/01/87
Hydrology	AA4250602010000	EF-L	MISC	3.0	27	0.8	2.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0					1.2
Crescent City Harbor (O&M)		Kendall																02/10/87				09/30/86		09/29/87				09/30/87
Engrg Support/Proj Mngt - HR Branch	CAA0234I5000000	EF-L	O&M	60.3	51	8.0	4.5	6.6	8.5	7.8	8.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	1.4					-3.5
FERC (GI)		BRICK																02/10/87				10/01/86		09/29/87				09/30/87
IN HSE GENERAL FERC WORK	AA72106090J0000	EF-L	MISC	16.5	34	1.3	1.4	0.8	0.1	3.4	1.3	1.3	1.4	1.3	1.4	1.3	1.4	1.4	1.3	1.4	1.3	1.3	1.4					0.1
GENERAL HYDROLOGIC STUDIES (GI)		BRICK																01/27/87				10/01/86		09/28/87				09/30/87
IN-HSE DIRECT EXPENSE	AB7260700010000	EF-L	MISC	2.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0					0.0
GENERAL REGULATORY FUNCTIONS (O&M)		C. FONG																02/10/87				10/01/86		09/30/87				09/30/87
HYDROLOGY REVIEW	CD7541510000000	EF-L		24.0	39	4.1	2.7	1.8	2.4	1.1	4.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0					-1.4
GUADALUPE RIVER AND ADJACENT STREAMS, FINAL REPORT		Brodie, R.																02/10/87				10/01/86		10/01/86				09/30/87
*Answers to H&H questions, Guadalup	AA1480209000003	EF-L	FEAS	1.6	100	1.6	1.5	0.0	0.0	0.0	1.6	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1					-0.1
GUADALUPE RIVER AND ADJACENT STREAMS, FINAL REPORT		Brodie, R.																02/10/87				04/20/87		04/27/87				09/30/87
Answer to H & H Questions	AA14802090JCT01	EF-L	FEAS	1.0	40	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
HUMBOLDT HARBOR & BAY (O&M)		Cheong																02/10/87				10/01/86		03/30/87				09/30/87
Project Management - Hydro/Aerial S	CA80634I5000000	EF-L	O&M	25.0	2	0.0	0.0	0.4	0.0	0.0	0.0	4.2	4.1	4.1	4.2	4.0	4.0	4.0	4.0	4.0	0.0	0.0	0.0					0.0

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SECTION: WATER RESOURCES BRANCH EF

PROJECT/SURVEY NAME / TASK (COST CODE) NAME	COST CODE	PROJ MANAGER SEC	STG	TOT COST -CUR YR	% $ EXP	PAST MONTH - JAN ACTUAL	SCH-CUR	OCT ACT EXP	NOV ACT EXP	DEC ACT EXP	JAN ACT EXP	FEB CUR SCH	FEB CUR EXP	MAR CUR SCH	MAR CUR EXP	APR CUR SCH	APR CUR EXP	LAST UPDATED MAY CUR SCH	MAY CUR EXP	JUN CUR SCH	JUN CUR EXP	CUR SCH ESTART JUL CUR SCH	JUL CUR EXP	CUR SCH EFIN AUG CUR SCH	AUG CUR EXP	SEP CUR SCH	SEP CUR EXP	CUR SCH LFIN # AVL- ACT-SCH
HUMBOLDT HARBOR & BAY (O&M)		Cheong																01/28/87				10/01/86		10/31/86				09/30/87
INSPECTION OF JETTIES	CAB060753000000	EF-L	O&M	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0		0.0		0.0		0.0	3.0	0.0		0.0	0.0	0.0		0.0		0.0	0.0
Inspection of Completed Works (O&M)		E. Behn																02/10/87				10/01/86		12/01/86				12/01/86
Water Res Labor	CB582101100000EF	EF-L	O&M	14.3	134	6.9	1.0	2.3	2.7	7.3	6.9	1.0	0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0		0.0	-5.9
Inspection of Non-Federal Levees (O&M)		E. Behn																01/28/87				10/01/86		06/01/87				06/01/87
Water Res Labor	CB590101200000EF	EF-L	O&M	15.0	0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0		3.0		3.0	3.0	0.0		0.0	0.0	0.0		0.0		0.0	3.0
LARKSPUR FERRY NAVIGATION CHANNEL - CB (SCA)		Erlich, M.																01/28/87				09/30/86		12/23/86				12/21/87
Wave Impact Study	BB601307JDNHTDR	EF-L	CB	8.9	11	0.0	5.0	0.0	0.0	1.0	0.0	2.9	0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0		0.0	5.0
MARIN CO. SHORELINE, SAN RAFAEL CANAL (GI		PASHA																02/10/87				10/01/86		11/15/86				01/27/87
ASSEMBLE AND REVIEW H&H DATA	AAHA10109000000	EF-L	RECO	11.4	169	13.8	5.9	0.0	0.0	5.5	13.8	0.0	0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0		0.0	-7.9
MARIN CO. SHORELINE, SAN RAFAEL CANAL (GI		PASHA																01/28/87				01/29/87		02/28/87				05/29/87
COMPLETE H&H ANALYSIS OF PRELIMINAR	AAHA1010900000F	EF-L	RECO	14.0	0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0		0.0	0.0
Moss Landing Harbor (O&M) - Annual Inspection		Bruch																01/28/87				10/01/86		09/30/87				09/30/87
Annual Inspection - Cond Survey Mon	CAK020753000000	EF-L	O&M	2.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0		0.0	0.0	0.0		1.0	1.0	0.0		0.0		0.0	0.0
Oakland Harbor (O&M) - Jetty		Bruch																01/29/87				10/01/86		09/30/87				09/30/87
WATER RESOURCE MNGT BR LABOR	CAG070753000000	EF-L		2.5	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0		0.0	1.2	1.3		0.0	0.0	0.0		0.0		0.0	0.0
Post-Flood Report (FCUCE)		T. Mendoza																02/10/87				10/01/86		09/30/87				09/30/87
General Labor	DB012023000000EF	EF-L		22.6	66	0.0	0.5	1.6	8.8	4.6	0.0	0.0	3.1		4.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0		0.0	0.5
Project Condition Survey (O&M)		Ard																01/28/87				10/01/86		10/31/86				09/30/87
SAN LEANDRO BREAKWATER INSPECTION	CD7810753060000	EF-L		2.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0		0.0	0.0	0.0		2.0	0.0	0.0		0.0		0.0	0.0
Project Condition Survey (O&M)		Ard																01/28/87				10/01/86		10/31/86				09/30/87
BODEGA BAY JETTY INSPECTION	CD7810753030000	EF-L		2.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0		0.0	0.0	0.0		2.0	0.0	0.0		0.0		0.0	0.0
Project Condition Survey (O&M)		Ard																01/28/87				10/01/86		10/31/86				09/30/87
MARE ISLAND TRAINING WALL INSPECTIO	CD7810753060000	EF-L		2.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0		0.0	0.0	0.0		0.0	2.0	0.0		0.0		0.0	0.0
Project Condition Survey (O&M)		Ard																01/28/87				10/01/86		10/31/86				09/30/87
BERKELEY BREAKWATER INSPECTION	CD78107530K0000	EF-L		2.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0		0.0	0.0	0.0		0.0	2.0	0.0		0.0		0.0	0.0

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PROJECT/SURVEY NAME TASK ICOST CODE1 NAME	COST CODE	PROJ MANAGER SEC STG	TOT COST -CUR YR	% $ EXP	#PAST MONTH - JAN# ACTUAL	SCH-CUR#	OCT ACT EXP	NOV ACT EXP	DEC ACT EXP	JAN ACT EXP	FEB CUR SCH EXP	MAR CUR SCH EXP	APR CUR SCH EXP	LAST UPDATED # MAY CUR SCH EXP	CUR SCH ESTART JUN CUR SCH EXP	JUL CUR SCH EXP	CUR SCH EFIN AUG CUR SCH EXP	SEP CUR SCH EXP	CUR SCH LFIN $ AVL- ACT-SCH
Project Condition Survey (O&M) MONTEREY BREAKWATER INSPECTION	CD78107530H0000	Ard EF-L	2.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	01/28/87 # 0.0	0.0	10/01/86 0.0	10/31/86 0.0	2.0	09/30/87 0.0
Richmond Harbor (O&M) - Cond Survey (Trng Wall) Annual Inspection - Water Resources	CAF033415040000	Bruch EF-L	2.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	01/28/87 # 0.0	0.0	10/01/86 1.0	09/30/87 1.0	0.0	09/30/87 0.0
ROHNER CREEK FLOOD CONTROL, FORTUNA - CG (SCA) Revisions for final report	BE605307L0J0000	Pasha, D. EF-L SCA	3.2	97	0.0	0.1	1.8	0.4	0.9	0.0	0.0	0.0	0.0	02/10/87 # 0.0	0.0	04/01/87 0.0	04/08/87 0.0	0.0	06/15/87 0.1
SAN FRANCISCO BAY SHORELINE STUDY - II (GI) GENERAL LABOR	AASH20200000LGEN	M. Dettle EF-L FEAS	54.3	2	0.9	4.6	0.0	0.0	0.0	5.6	5.5	5.6		02/10/87 # 5.6	6.9	09/30/86 6.9	09/30/86 7.5	6.1	09/30/87 3.7
SAN FRANCISCO BAY SHORELINE STUDY - II (GI) H&H SERVICING AND REVIEW OF CONTRAC	AASH20209000H&H	M. Dettle EF-L FEAS	20.0	78	0.4	5.0	2.7	1.6	3.0	8.4	5.7	2.0	0.0	02/10/87 # 0.0	0.0	09/30/86 0.0	01/15/87 0.0	0.0	06/12/87 -3.4
SAN FRANCISCO BAY SHORELINE STUDY - II (GI) PROJECT MANAGEMENT	AASH20213000OPM	M. Dettle EF-L FEAS	80.0	32	6.2	6.9	6.9	6.4	6.2	6.2	6.0	6.9	6.9	02/10/87 # 6.9	6.9	09/30/86 6.9	09/22/87 6.9	6.2	09/30/87 0.7
SAN LORENZO SILT REMOVAL (GI) Report Preparation	AA1070215000001	F. YAMAJI EF-L FEAS	7.9	99	0.0	0.1	2.1	1.3	4.4	0.0	0.0	0.0	0.0	02/10/87 # 0.0	0.0	09/30/86 0.0	01/30/87 0.0	0.0	01/30/87 0.1
SAN PEDRO CRK, PACIFICA - CG (SCA) H&H Evaluation	BE606307L0J0000	Kit, Maggie EF-L SCA	0.2	100	0.2	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	02/10/87 # 0.0	0.0	10/01/86 0.0	10/01/86 0.0	0.0	06/19/87 0.0
Section 205 Felton Grove Initial Appraisal Report Hydraulic Design	WAP111230010000	Tasaji, F. EF-L WFD	1.3	0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	01/27/87 # 0.0	0.0	11/17/86 0.0	12/07/86 0.0	0.0	12/17/86 1.3
Section 205 Felton Grove Initial Appraisal Report Project Management	WAP111230000000	Tasaji, F. EF-L WFD	2.2	100	0.0	1.0	0.0	0.5	1.7	0.0	0.0	0.0	0.0	01/27/87 # 0.0	0.0	11/17/86 0.0	02/15/87 0.0	0.0	02/15/87 0.0
Section 205 Felton Grove Initial Appraisal Report Report Formulation	WAP111230020000	Tasaji, F. EF-L WFD	1.0	0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	01/27/87 # 0.0	0.0	01/16/87 0.0	02/05/87 0.0	0.0	02/15/87 0.0
Section 205 Gold Gulch Initial Appraisal Report Hydraulic Design	WAN111230010000	Tasaji, F. EF-L WFD	0.0	***	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	01/27/87 # 0.0	0.0	11/17/86 0.0	12/07/86 0.0	0.0	12/17/86 0.0
Section 205 Gold Gulch Initial Appraisal Report Project Management	WAN111230000000	Tasaji, F. EF-L WFD	3.0	100	0.0	0.5	0.0	0.5	2.5	0.0	0.0	0.0	0.0	01/27/87 # 0.0	0.0	11/17/86 0.0	02/15/87 0.0	0.0	02/15/87 0.0

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Section 205 Gold Gulch Initial Appraisal Report		Yanaji, F.			*	*								01/27/87 *		01/16/87		02/05/87	02/15/87
Report Formulation	VAN1112300200000	EF-L NFD	2.0	0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
SECTION 205 STUDY,MAD RIVER CITY OF ARCATA		T.KARAMAN			*	*								01/27/87 *		09/30/86		12/23/86	12/23/86
Hydrology & Hydraulics	VAJ1110000000000	EF-L NFD	0.0	***	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SOIL CONSERVATION SVC COORD (GI)		BRICK			*	*								01/27/87 *		10/01/86		09/28/87	09/30/87
HYDROLOGY	AA4150602010000	EF-L MISC	3.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.5	0.0
SONOMA COUNTY FLOOD INSURANCE STUDY - CO (NFO)		MATHIESEN			*	*								02/10/87 *		10/01/86		03/02/87	03/31/87
HYDRAULIC ANALYSES	BZ5823821040000	EF-L NFD	40.1	66	0.0	10.0	13.3	6.3	6.7	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
SPECIAL INVESTIGATIONS (GI)		Chisholm, R.			*	*								02/10/87 *		10/01/86		09/30/87	09/30/87
Review of Other Agency EIR/EIS	AA7110620000000	EF-L MISC	10.0	39	0.7	0.8	0.9	1.4	0.9	0.7	0.7	0.8	0.8	0.7	0.8	0.7	0.7	0.8	0.1
Spring Mobilization		T. Mendoza			*	*								01/27/87 *		06/01/87		06/15/87	06/15/87
General Labor	VT7046000000000	EF-L	5.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0
TECHNICAL SERVICES GENERAL (GI)		BRICK			*	*								02/10/87 *		10/01/86		09/28/87	09/30/87
DIRECT EXPENSE	AB5700700010000	EF-L MISC	26.1	50	2.2	2.4	3.7	4.3	2.9	2.2	2.3	2.4	2.2	2.3	2.2	1.4	0.0	0.0	0.2
**********SUBTOTALS FOR WATER RESOURCES BRANCH EF-L **********					*	*													
********** EFFORT CODE IN-HOUSE LABOR (L) **********			600.0	38	70.8	81.9	46.1	46.7	44.1	70.8	82.5	44.2	43.5	43.3	45.0	43.9	37.5	23.5	6.9

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BASIS: THIS REPORT INCLUDES JAN 87 ACTUALS BUT NO RESCHEDULING ACTIONS IN RESPONSE TO THOSE ACTUALS.

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SPNRM-N PETS ORGANIZATION FORMAT D - REPORT 8 &
FT 1987 SAN FRANCISCO DISTRICT PROJECT EXECUTION AND TRACKING SYSTEM
ORGANIZATION WORK ITEM EXCEPTION REPORT - ENGINEERING DIVISION ONLY - BY ORGANIZATION
TASKS SCHEDULED FOR START WITHIN 30 DAYS FROM 02/27/87

SECTION: ENVIRONMENTAL BRANCH EE

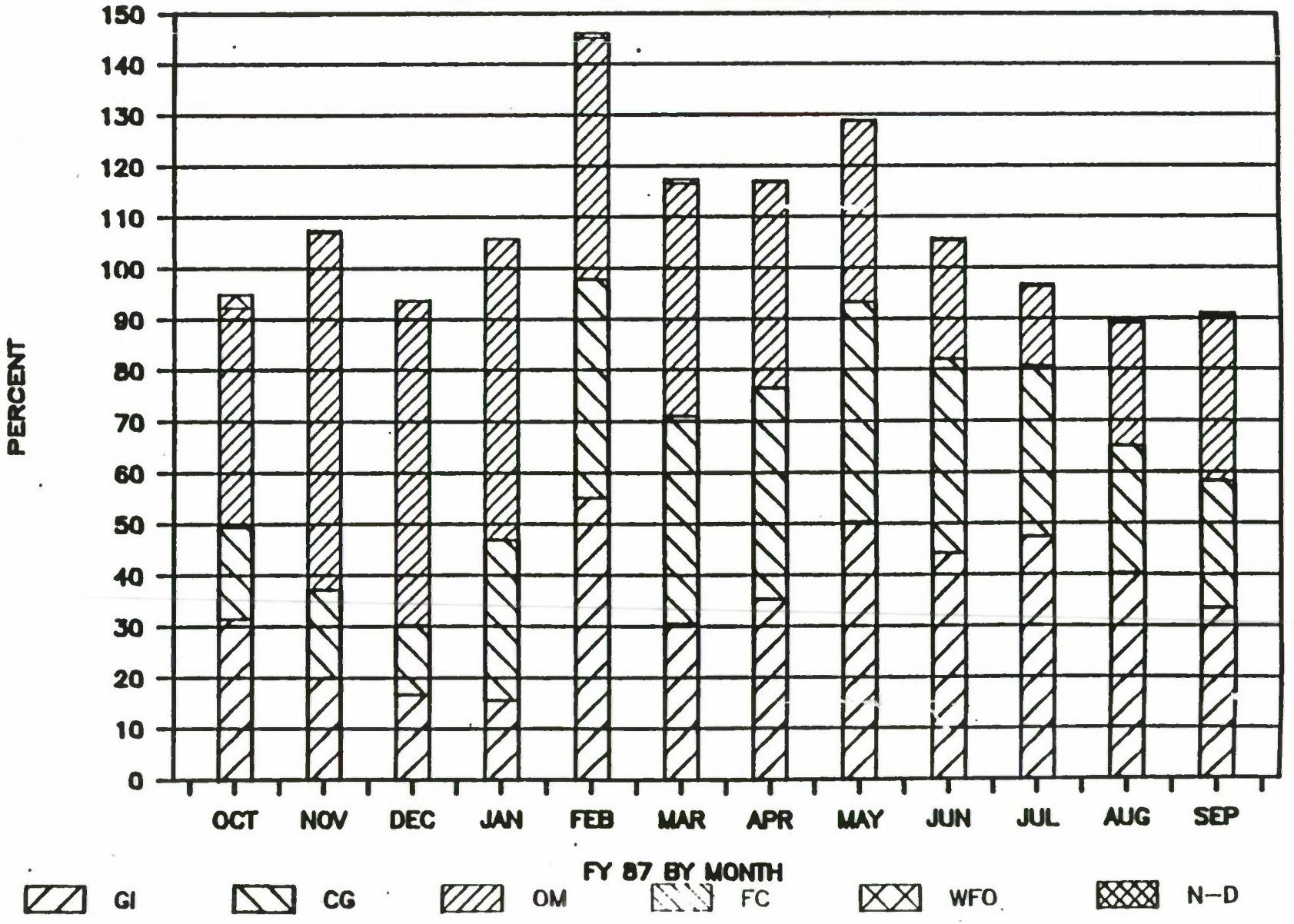
PROJECT/SURVEY NAME TASK (COST CODE) NAME	PROJ MANAGER COST CODE	ORG P.O.C. SEC	$ AVAIL CUR YEAR	% $ EXP	EARLY ST	EARLY FIN	LATE FIN
OAKLAND INNER HARBOR (611 Sec 404/103 Evaluation	THUET, D. AD2130354000404	EE-L	10.0	5	02/28/87	04/13/87	04/15/87
OAKLAND INNER HARBOR (611 Prep of Consistency Determination	THUET, D. AD213035400CNST	EE-L	20.0	0	02/28/87	04/13/87	04/15/87
SAN FRANCISCO BAY TO STOCKTON (JFBI, CA - CB Ocean Disposal Contract	Rakstins [redacted]CD00MP	EE-C	72.0	0	03/01/87	09/27/87	09/30/87
ROHNER CREEK FLOOD CONTROL, FORTUNA - CB (SCA) E96860728 - Undelivered Order	Pasha, B. DE605307L0E0000	EE-N	0.8	100	03/02/87	03/03/87	07/27/87

BASIS: CAUTION****** THIS REPORT IS BASED ON THE EARLY START DATES AS ENTERED BY THE PROJECT MANAGERS AND INCLUDES NTPN INPUT SUBMITTED THRU COB 26 FEB 87, RMO-N'S LAST EVALUATION SHOWED APPROX.10% OF THE LINE ITEMS HAD EXPEND. BEFORE THE ST DATE

10 MAR 1987

(EE) ENVIRONMENTAL BRANCH

MONTHLY PROJ SPECIFIC LABOR HOURS



871 Central Arkansas Valley Dalton Survey
899 SCS Training Session

Press <return> to continue, X <return> to quit listing:

Amasda# / Title
---

939 Maumelle New Town Industrial Road
954 York-Hannover Steel Mill Site
961 Fourche Creek Survey
1031 Arkansas River- Salvage of Four Sites
1096 Little Rock Northbelt Expressway
1107 Jacksonville Sewr Realignment
1115 Southwest Division Overview
1152 Baseline Road, Little Rock
496 Maumelle Pump Station, Ison Creek, Permit Survey
564 Dark Hollow Drainage, North Little Rock
577 Adams Field Municipal Airport Additional Investigations
732 Cloverdale Drain, Little Rock, Reconnaissance
Searching ...

Press <return> to continue:
Telecomm is active...

AAS Multi-Agency Project 1986 PROJECTS - DETAIL

AMASDA No: 327
Work type: 93 Major Excavation
County: 1-AR Arkansas
Project: Mound Survey

AMASDA No: 327
Work type: 85 Archeological Survey, Indeterminant
County: 1-AR Arkansas
Project: Mound Survey

AMASDA No: 327
Work type: 93 Major Excavation
County: 41-DE Desha
Project: Mound Survey

Press <return> to continue, X <return> to quit listing:

Telecomm is active...

Amasda#	Title
17	Little Rock Sanitary Sewer Survey
21	Jacksonville Parks Survey
26	White Bluff to Keo Corridor Transmission Line Survey
40	Eldorado to North Little Rock Texas-Eastern Pipeline Survey
51	North Little Rock to Cape Girardeau, MO P-62 Gas Pipeline
52	Little Rock University Park Tennis Center
63	North Little Rock Sanitary Sewerage Systems Improvements Survey
101	Lake Willastein Regional Park Survey
103	Morehart Park Survey
142	Little Rock Park Authority Survey
155	Arkansas Mounds Survey
184	Arkansas River Navigation Project Excavation
242	East Little Rock Sewer Survey
258	Fourche Creek Reconnaissance
282	Keo Cabin Site (3PU89) Excavation
303	Little Rock Airport (Adams Field) Survey
309	Arkansas Highway Salvage Archeology Project V, Survey
327	Mound Survey

Press <return> to continue, X <return> to quit listing:
Telecomm is active...

Amasda#	Title
360	Pinnacle Mountian Survey, Part II
388	Steve Hoffman Site (3PU34) Test Excavation
413	Little Rock Airport Industrial Park Improvements
604	Mabelvale-Mayflower Powerline Right-of-Way
605	Mabelvale-Mayflower Powerline Right-of-Way
631	White Bluff to Keo Phase III, Part II
643	Little Rock East Belt Loop Survey
645	Arkansas Louisiana Gas Pipeline Survey
712	Fourche Sewerage Facilities Testing
721	Texas Eastern II: North Little Rock to Missouri
727	Little Rock Airport (Adams Field) Expansion Survey
750	Fourche Sewerage Facilities Survey
751	Fourche Sewerage Facilities Monitoring
805	Jacksonville Wastewater/Sewer Line Survey
818	Little Rock Block Grant Survey
849	Bayou Meto Reservoir Alternative
871	Central Arkansas Valley Dalton Survey
899	SCS Training Session

Press <return> to continue, X <return> to quit listing:
Telecomm is active...

site printout

AAS Multi-Agency Project 1986 SITE MANAGEMENT DATA

Page: 1 Site #: 3JE0050 Last visit: 86012

SOURCE: Informant
Other Archive
Published Reference
Limited Circulation Report

Quad: 811 Tnship/Rng/Sec: 03S 10W 14
Stream basin: 14 Arkansas R. Lock & Dam 4-7

NATIONAL REGISTER:

SITE TYPE: Scatter >100
Mound

CULTURAL AFFILIATION: 51 Mississippian
90 Anglo-American
149 Developed Settlement

Searching ...
Press <return> to continue, X <return> to quit listing:

Telecomm is active...

AAS Multi-Agency Project 1986 MAIN MENU

Choose retrieval type from the following menu

Sites	S1:	By township, range & section
	S2:	By stream basin
	S3:	By UTM coordinates
	S4:	By site numbers
Projects	P1:	By county
	P2:	By project type
	P3:	By project numbers
Citations	C1:	By county
	C2:	By project type
	C3:	By keyword
	C4:	By document numbers
Exit	X	

Choose retrieval type:

Telecomm is active...

AAS Multi-Agency Project 1986 Counties

1-AR	Arkansas	41-DE	Desha	81-LR	Little River	121-RA	Randolph
3-AS	Ashley	43-DR	Drew	83-LO	Logan	123-SF	St. Francis
5-BA	Baxter	45-FA	Faulkner	85-LN	Lonoke	125-SA	Saline
7-BE	Benton	47-FR	Franklin	87-MA	Madison	127-SC	Scott
9-BO	Boone	49-FU	Fulton	89-MR	Marion	129-SE	Searcy
11-BR	Bradley	51-GA	Garland	91-MI	Miller	131-SB	Sebastian
13-CA	Calhoun	53-GR	Grant	93-MS	Mississippi	133-SV	Sevier
15-CR	Carroll	55-GE	Greene	95-MO	Monroe	135-SH	Sharp
17-CH	Chicot	57-HE	Hempstead	97-MN	Montgomery	137-ST	Stone
19-CL	Clark	59-HS	Hot Spring	99-NE	Nevada	139-UN	Union
21-CY	Clay	61-HO	Howard	101-NW	Newton	141-VB	Van Buren
23-CE	Cleburne	63-IN	Independence	103-OU	Ouachita	143-WA	Washington
25-CV	Cleveland	65-IZ	Izard	105-PE	Perry	145-WH	White
27-CO	Columbia	67-JA	Jackson	107-PH	Phillips	147-WO	Woodruff
29-CN	Conway	69-JE	Jefferson	109-PI	Pike	149-YE	Yell
31-CG	Craighead	71-JO	Johnson	111-PO	Poinsett		
33-CW	Crawford	73-LA	Lafayette	113-PL	Polk		
35-CT	Crittenden	75-LW	Lawrence	115-PP	Pope		
37-CS	Cross	77-LE	Lee	117-PR	Prairie		
39-DA	Dallas	79-LI	Lincoln	119-PU	Pulaski		

Press <return> to continue:

Telecomm is active...

AAS Multi-Agency Project 1986 PROJECTS PRINTOUT

Projects in current selection: <unknown>

Selection criteria:

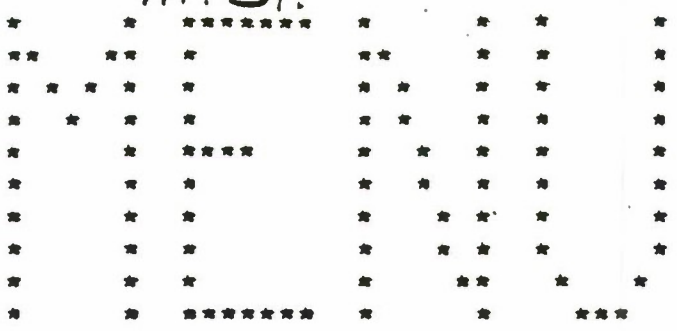
(county=119)

0 New retrieval or exit
1 Count projects satisfying current selection
2 Project numbers and title
3 Full project data

Printout option:

Telecomm is active...

AFCT



1.....RUN SEARCHES FOR SPECIFIED LOCATIONS, TYPES, AND SITE NUMBERS

2.....PRINT THIS DATA AT TERMINAL OR HARD-COPY

3.....INPUT NEW DATA TO DATAFILE

4.....CHANGE DATA FOR A SELECTED SITE

5.....LEAVE THE DATAFILE

PLEASE ENTER NUMBER OF THE ONE, WHICH YOU ARE INTERESTED IN DOING.

Telecomm is active...

THIS WILL BE PASS NUMBER 1 IN *THIS* SEARCH.

ENTER NUMBER OF ONE WHICH YOU WOULD LIKE TO DO.

1.....STATE NUMBER
2.....LEGAL LOCATION
3.....COUNTY
4.....PROJECT
5.....CONDITION
6.....FLOOD POOL LOCATION
7.....PHYSIOGRAPHIC REGION
8.....TYPE
9.....CULTURAL AFFILIATION
10....ARTIFACTS
11....TEST STATUS
12....EXCAVATION STATUS
13....OWNER
14....PRESERVATION NEEDS
15....NATIONAL REGISTER STATUS

Telecomm is active...

AFCH site print

69-6

STATE SITE NUMBER: 3JO241 FIELD NUMBER: 18-2

LEGAL LOCATION: SW SE NW 29 24W 9N
STATE: ARKANSAS COUNTY: JOHNSON
PROJECT: DARDANELLE LAKE
QUAD MAP: HARTMAN AR

SIZE: 40m X 40m DEPTH: SURFACE
ELEVATION: 340'? SLOPE:
CONDITION: MAJOR DISTURBANCE LOCATION: ABOVE CONSERVATION POOL
NEAREST WATER: HORSEHEAD CREEK
PHYSIOGRAPHIC REGION: ARKANSAS RIVER VALLEY

TYPE: OPEN LITHIC SCATTER
CULTURAL AFFILIATION: UNKNOWN PREHISTORIC
ARTIFACTS, FEATURES PRESENT: LITHICS
STANDING ARCHITECTURE: NONE

YEAR INSPECTED: 1985 TESTED: NO EXCAVATED: NO
OWNER:
PRESERVATION NEEDS:
NATIONAL REGISTER STATUS:

MORE?
Telecomm is active...

STATE SITE NUMBER: 3JO240 FIELD NUMBER: 18-1

LEGAL LOCATION: SE SE NW 29 24W 9N
STATE: ARKANSAS COUNTY: JOHNSON
PROJECT: DARDANELLE LAKE
QUAD MAP: HARTMAN AR

SIZE: 80m X 40m DEPTH: SURFACE
ELEVATION: 340'+? SLOPE:
CONDITION: MAJOR DISTURBANCE LOCATION: ABOVE CONVERSATION POOL
NEAREST WATER: HORSEHEAD CREEK
PHYSIOGRAPHIC REGION: ARKANSAS RIVER VALLEY

TYPE: OPEN LITHIC SCATTER
CULTURAL AFFILIATION: CADDO
ARTIFACTS, FEATURES PRESENT: LITHICS
STANDING ARCHITECTURE: NONE

YEAR INSPECTED: 1985 TESTED: NO EXCAVATED: NO
OWNER:
PRESERVATION NEEDS:
NATIONAL REGISTER STATUS:

MORE?
Telecomm is active...

APPENDIX A - BLANK APPLICATIONS DATA SHEET

APPENDIX A: PLANNING APPLICATION DATA SHEET

title | type | app#

description

point of contact | foa symbol | phone | fts

computer | application type | application area | date

software | operating system

display | memory | hard disk requirements

printer

special hardware | example

documentation | cprbbs file

summary

input

output

usage

comments

Return to: Michael R. Walsh, CEWRC-IWR, Casey Bldg., Ft. Belvoir, VA 22060

APPENDIX B - DESCRIPTION OF CORPS PLANNERS BULLETIN BOARD SYSTEM

APPENDIX B

CORPS PLANNERS REMOTE BULLETIN BOARD SYSTEM

The Corps Planners Remote Bulletin Board has been on-line since 1984 at the Institute for Water Resources. The CPRBBS is a resource for Corps Planners who want to exchange information on a variety of planning topics and serves as a hub for the transfer of programs and data electronically between microcomputers. The bulletin board contains many public-domain microcomputer programs contributed by planners across the Corps. These programs can be used to improve the effectiveness and productivity of planners who use microcomputers. Also, the board contains applications that have been developed using commercial software that can be used in planning activities. Often by transferring an application from the bulletin board to a microcomputer at a Corps planning office one can save the time it would have taken to develop a similar application from scratch.

What is the CPRBBS?

The CPRBBS is a microcomputer-based communications system that consists of a central microcomputer hub with links to all Corps planning microcomputers that can access the telephone network with a modem. The hub of the CPRBBS is a microcomputer located at IWR with a hard disk and modem that is constantly running the bulletin board manager program. This hub is on-line 24 hours a day waiting for calls from planners from around the Corps. Any Corps planner with a microcomputer and modem can access the CPRBBS hub. Once connected the CPRBBS allows a planner to:

- Send and receive messages with password protection
- Transfer files (programs and text) to and from the central hub
- Read bulletins about items of interest to Corps planners

Access

Currently only one user at a time can access the CPRBBS. A prospective caller should set his communication software so that the following parameters are set: no parity, 8 data bits, 1 stop bit. The CPRBBS supports either 1200 or 2400 baud transmission speeds selected by the planner who is calling. Once the communication parameters are set the CPRBBS can be reached at 703-355-2098 or 385-2098 (FTS). The CPRBBS will answer the phone within 3 rings by emitting a high-pitched squeal through the modem. The phone connection for the CPRBBS is on a rotary. If the CPRBBS does not answer within three rings it means that another planner is using the board and you should call back later. If demand increases another line will be added to the CPRBBS to allow simultaneous use by two planners. After you connect to the CPRBBS you will be asked to state your name and city and state. If you

are contacting the board for the first time you will be asked to register. All that this entails is for you to pick a password and to answer some questions about your computer system and parameters for your sessions with the CPRBBS hub. If you are unsure of any of the answers for the parameters simply accept the default by hitting the return key at each prompt. You can modify these parameters later.

Contents

After you complete the login you will be presented with the current Bulletins on the CPRBBS. These bulletins will alert you to items of importance about the CPRBBS or other planning topics. You can read each bulletin or not as you choose. When you leave the Bulletins section you are taken to the Main menu. The Main menu presents the planner with a number of options on what to do next on the board. The two main options have to do with Messages and Files. You have the option of reading existing messages to you, answering a message left by another planner, or adding a new message on another topic. Often a planner will leave a message inquiring about a topic, such as cost-sharing rules, and ask all callers to comment or provide an answer to his questions. It is always good to examine the messages section when you call the CPRBBS. The other main option is the Files section. The Files section contains a directory of public-domain programs and applications developed by Corps planners by category. For example, all spreadsheet applications are listed in the sheet directory. All the files listed in the directories are available for transfer to a calling microcomputer. Transfer of files to the CPRBBS is also executed via the Files section. There is a special Upload directory for new files contributed by Corps planners. These files are distributed to the category directories after they are examined.

Why should I contact the CPRBBS?

The main purpose of the CPRBBS is to provide a forum for the interchange of information among Corps planners. The CPRBBS provides a mechanism whereby Corps planners can keep up to date on such items as the status of the Planning Guidance Notebook, the latest utilities for microcomputers, or the latest application developed at another Corps planning office that might save duplicate development cost. The CPRBBS is the electronic equivalent of the office bulletin board and more and it is another means for Corps planners to share experiences about common problems and possible solutions in planning.

CPRBBS Information

- Hours: 24 hours a day, 7 days a week
- Phone: (703) 355-2098 385-2098 (FTS)
- Problems: Call Michael Walsh, IWR (703) 355-3087 385-3087